

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY



WHITE FLINT STATION - NEW NORTH ENTRANCE

STRUCTURAL ALTERNATIVES

DRAFT

02/27/2019

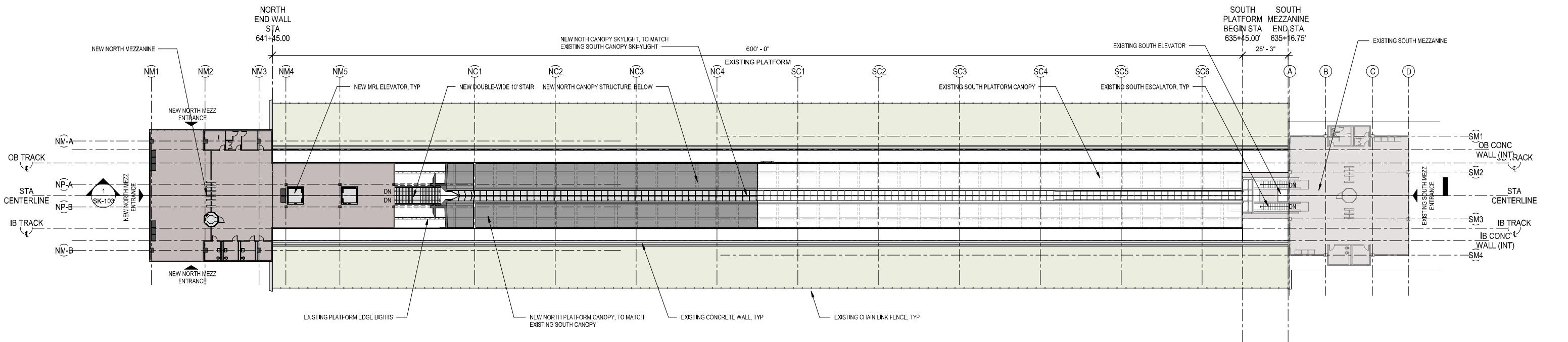
KGP design studio

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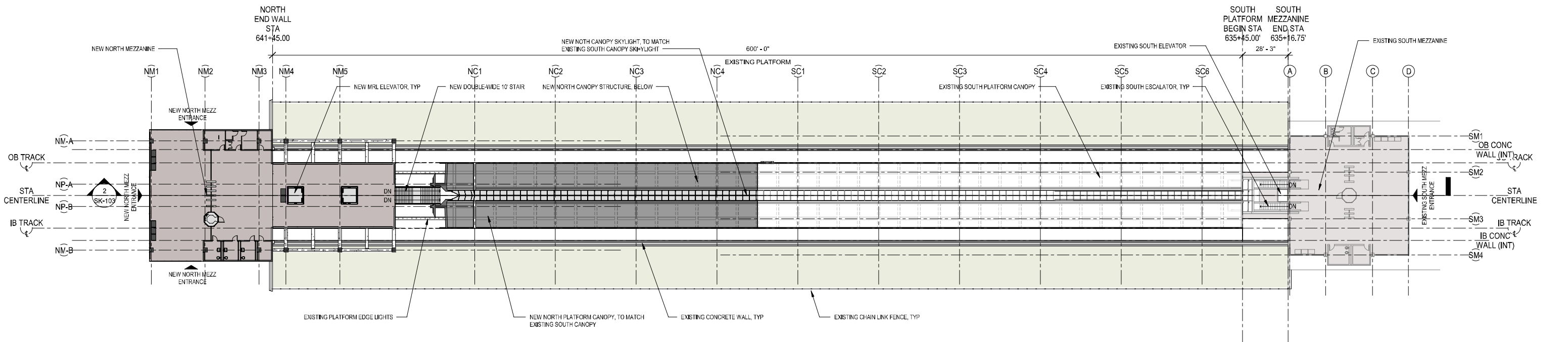
SHEET INDEX		
SHEET NUMBER	SHEET NAME	SHEET ISSUE DATE
SK-000	COVER SHEET	02/27/19
SK-001	SHEET INDEX	02/27/19
SK-101	OVERALL MEZZANINE PLAN	02/27/19
SK-102	OVERALL ROOF PLAN	02/27/19
SK-103	OVERALL LONGITUDINAL SECTIONS	02/27/19
SK-104	EXISTING NORTH SERVICE ROOMS - PLATFORM LEVEL	02/27/19
SK-105	NEW NORTH ENTRANCE - PLATFORM LEVEL - STRUCT ALT-1	02/27/19
SK-106	NEW NORTH ENTRANCE - PLATFORM LEVEL - STRUCT ALT-2	02/27/19
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SK-S01	NORTH MEZZANINE ROOF FRAMING PLANS	02/27/19
SK-S02	NORTH MEZZANINE ROOF FRAMING PLAN - ALT 1	02/27/19
SK-S03	NORTH MEZZANINE ROOF FRAMING PLAN - ALT 2	02/27/19
SK-S04	EXISTING SOUTH MEZZANINE ROOF FRAMING PLAN	02/27/19

C:\Users\jared\Documents\New\Local\White Flint Station\New North Entrance\New North Entrance - New\Book_01_01\Title_Sheet.dwg (2/27/2019)

C:\Users\jacob\Documents\White Flint Station\White Flint Station\Struct\SK-101_SketchUp\SK-101.dwg










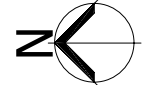
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SK-101
OVERALL MEZZANINE PLAN STRUCT ALT-1
SCALE: 1" = 30'-0"

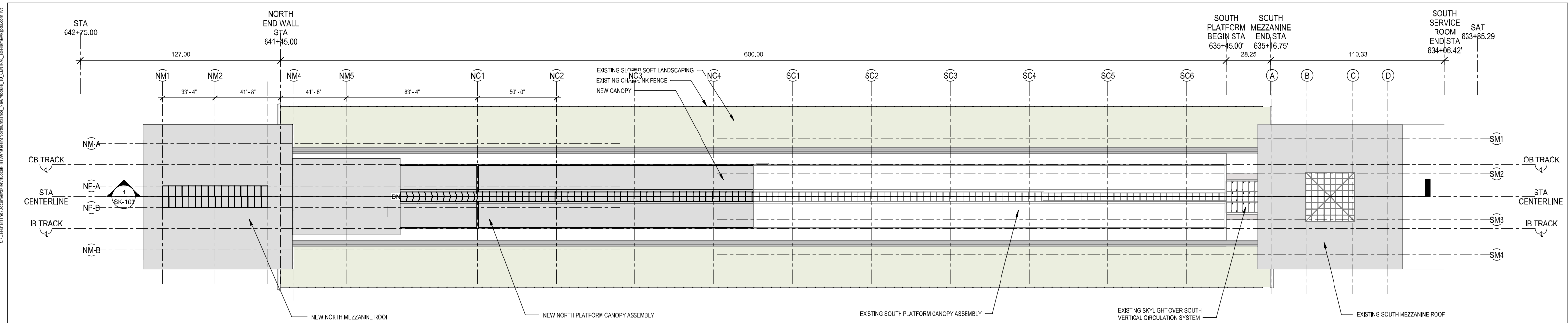


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SK-101
OVERALL MEZZANINE PLAN STRUCT ALT-2
SCALE: 1" = 30'-0"

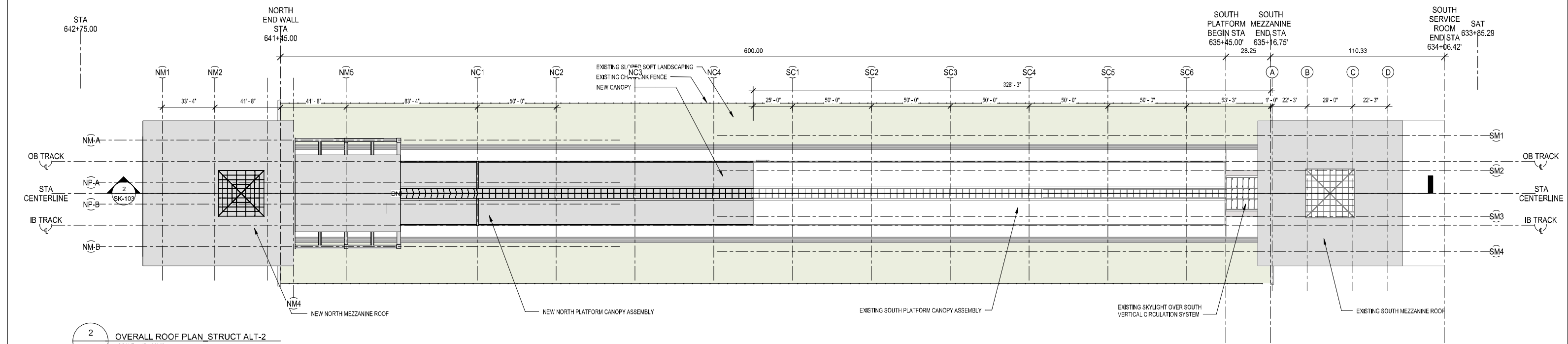
LEGEND:

- | | | | |
|---|------------------------|---|----------------------------|
|  | EXISTING BUILDING |  | NEW NORTH MEZZANINE GRID |
|  | NEW CONSTRUCTION |  | NEW NORTH PLATFORM GRID |
|  | EXISTING SOFTLANDSCAPE |  | NEW NORTH CANOPY GRID |
| | |  | SOUTH EXISTING CANOPY GRID |












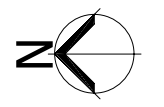
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OVERALL ROOF PLAN_STRUCT ALT-1
SK-102 SCALE: 1" = 30'-0"
15' 0' 15' 30'



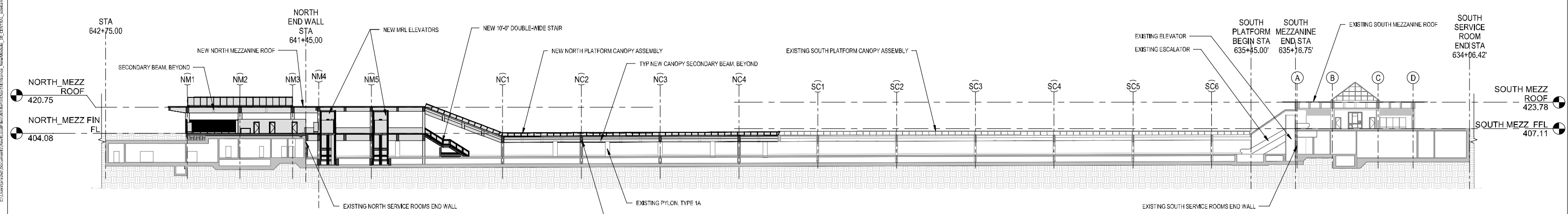
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OVERALL ROOF PLAN_STRUCT ALT-2
SK-102 SCALE: 1" = 30'-0"
15' 0' 15' 30'

LEGEND:

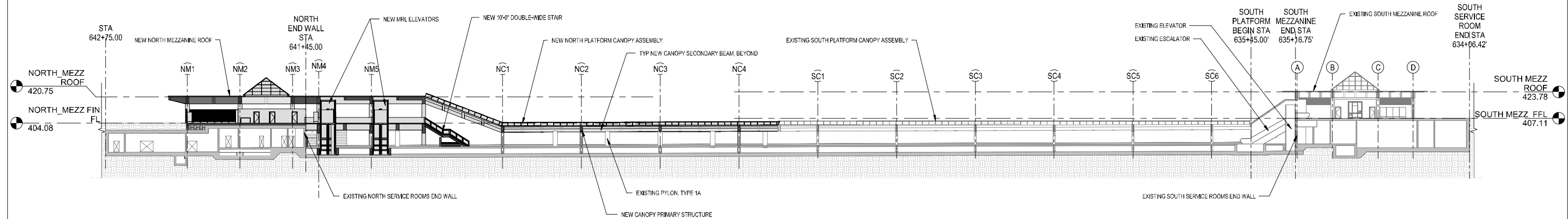
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|---|------------------------|---|----------------------------|
|  | EXISTING BUILDING |  | NEW NORTH MEZZANINE GRID |
|  | NEW CONSTRUCTION |  | NEW NORTH PLATFORM GRID |
|  | EXISTING SOFTLANDSCAPE |  | NEW NORTH CANOPY GRID |
| | |  | SOUTH EXISTING CANOPY GRID |



C:\Users\jacob\Documents\White Flint Station - New North Entrance - New Mezzanines - 10 - Overall Longitudinal Sections - SK-103.dwg

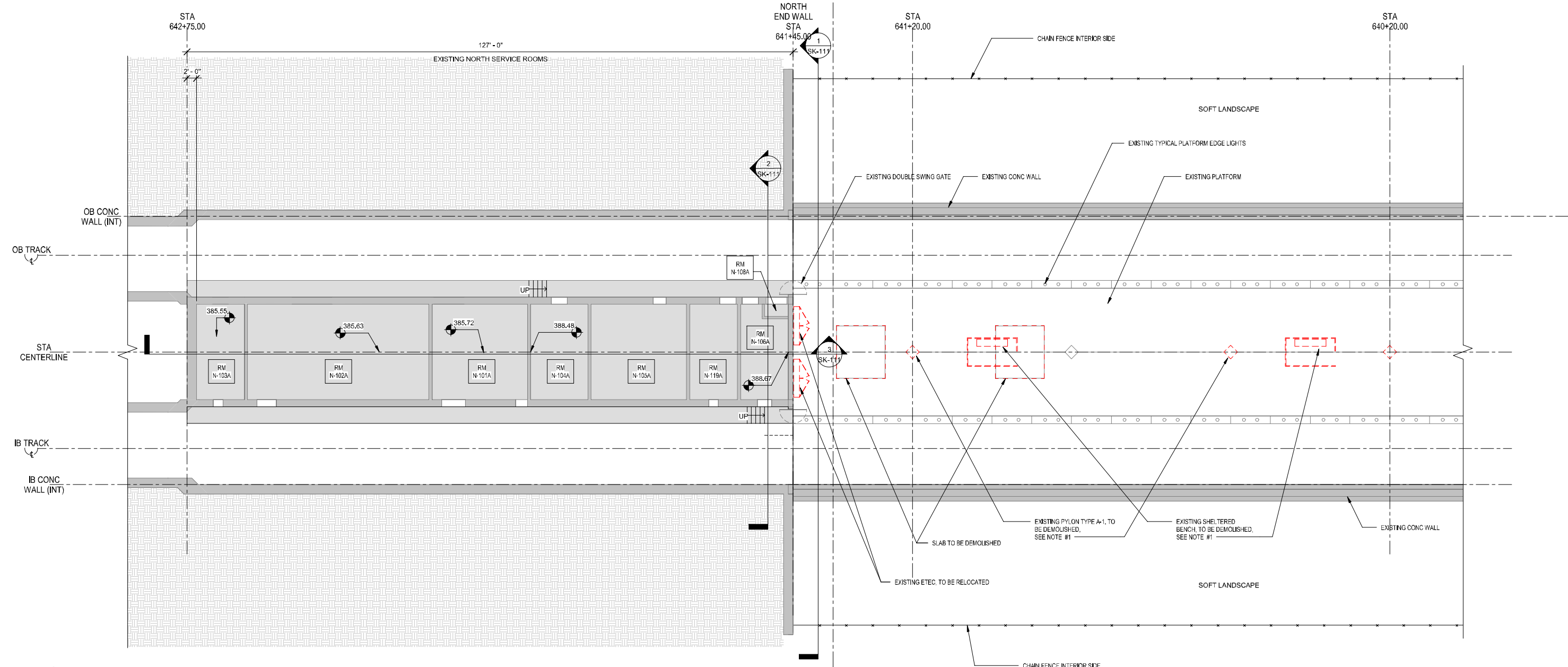


1 OVERALL LONGITUDINAL SECTION_STRUCT ALT-1
 SK-103 SCALE: 1" = 30'-0"
 15' 0' 15' 30'



2 OVERALL LONGITUDINAL SECTION_STRUCT ALT-2
 SK-103 SCALE: 1" = 30'-0"
 15' 0' 15' 30'

C:\Users\jand\Documents\Projects\White Flint Station\White Flint Station - New North Entrance - New North - Platform Level - SK-104.dwg



1
 SK-104 EXISTING NORTH SERVICE ROOMS - PLATFORM LEVEL
 SCALE: 3/32" = 1'-0"
 0 5' 10' 20'

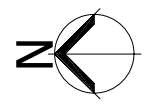
EXISTING ROOM SCHEDULE- NORTH	
ROOM NUMBER	ROOM NAME
N-101A	EXISTING MECHANICAL ROOM
N-102A	EXISTING NORTH AC SWITCHBOARD ROOM
N-103A	EXISTING NORTH BATTERY ROOM
N-104A	EXISTING NORTH COMMUNICATIONS ROOM
N-105A	EXISTING TRAIN CONTROL ROOM
N-106A	EXISTING NORTH OPERATIONS ROOM
N-108A	EXISTING NORTH FEC
N-119A	EXISTING NORTH MAINTENANCE ROOM

LEGEND:

- EXISTING BUILDING
- NEW CONSTRUCTION
- EXISTING TO BE DEMOLISHED
- EXISTING TO BE DEMOLISHED
- NM# NEW NORTH MEZZANINE GRID
- NP# NEW NORTH PLATFORM GRID
- NC# NEW NORTH CANOPY GRID
- SC# SOUTH EXISTING CANOPY GRID

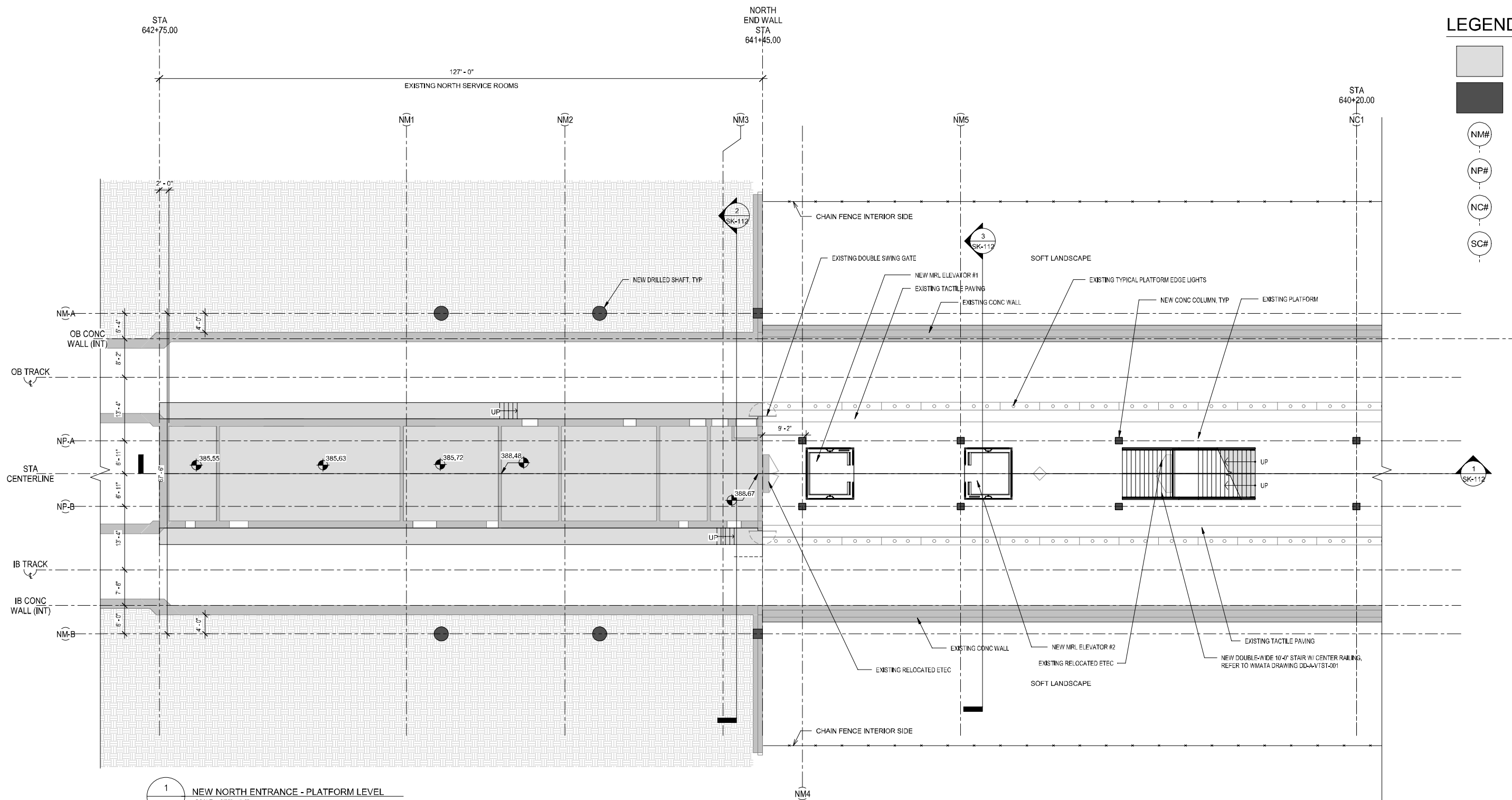
SHEET NOTES:

1. LOCATION OF PLATFORM FURNITURE AND EQUIPMENT TO BE VERIFIED IN FIELD.
2. SEE SHEET A14-S-21 & S-23 FROM WMATA AS-BUILT DRAWINGS FOR MORE INFORMATION.



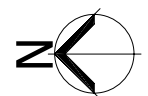
LEGEND:

- EXISTING BUILDING
- NEW CONSTRUCTION
- NM# NEW NORTH MEZZANINE GRID
- NP# NEW NORTH PLATFORM GRID
- NC# NEW NORTH CANOPY GRID
- SC# SOUTH EXISTING CANOPY GRID

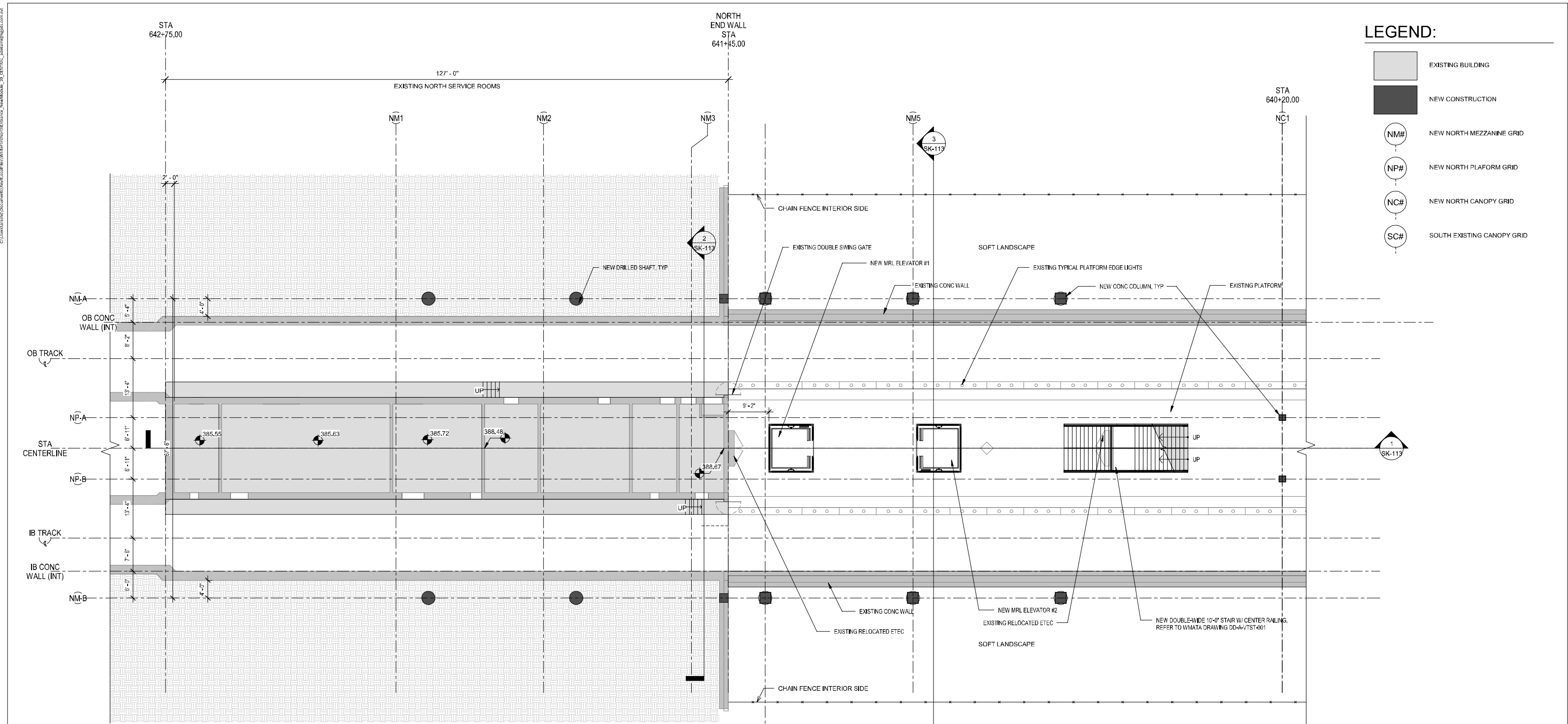


1
SK-105
NEW NORTH ENTRANCE - PLATFORM LEVEL
SCALE: 3/32" = 1'-0"
0 5 10 20

EXISTING ROOM SCHEDULE - NORTH	
ROOM NUMBER	ROOM NAME
N-101A	EXISTING MECHANICAL ROOM
N-102A	EXISTING NORTH AC SWITCHBOARD ROOM
N-103A	EXISTING NORTH BATTERY ROOM
N-104A	EXISTING NORTH COMMUNICATIONS ROOM
N-105A	EXISTING TRAIN CONTROL ROOM
N-106A	EXISTING NORTH OPERATIONS ROOM
N-108A	EXISTING NORTH FEC
N-119A	EXISTING NORTH MAINTENANCE ROOM



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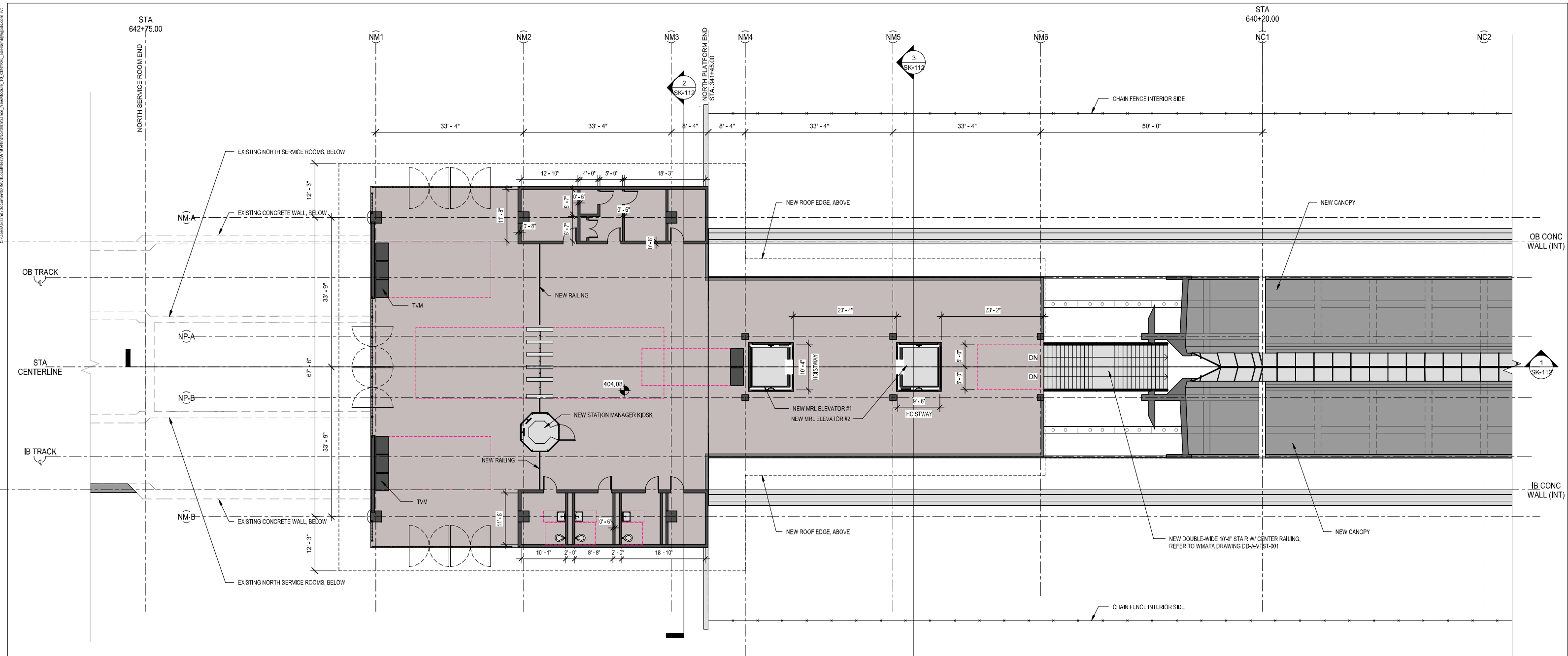


LEGEND:

- EXISTING BUILDING
- NEW CONSTRUCTION
- NM# NEW NORTH MEZZANINE GRID
- NP# NEW NORTH PLATFORM GRID
- NC# NEW NORTH CANOPY GRID
- SC# SOUTH EXISTING CANOPY GRID

1
SK-106
NEW NORTH ENTRANCE - PLATFORM LEVEL
SCALE: 3/32" = 1'-0"

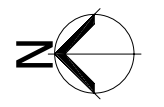
EXISTING ROOM SCHEDULE- NORTH	
ROOM NUMBER	ROOM NAME
N-101A	EXISTING MECHANICAL ROOM
N-102A	EXISTING NORTH AC SWITCHBOARD ROOM
N-103A	EXISTING NORTH BATTERY ROOM
N-104A	EXISTING NORTH COMMUNICATIONS ROOM
N-105A	EXISTING TRAIN CONTROL ROOM
N-106A	EXISTING NORTH OPERATIONS ROOM
N-108A	EXISTING NORTH FEC
N-119A	EXISTING NORTH MAINTENANCE ROOM

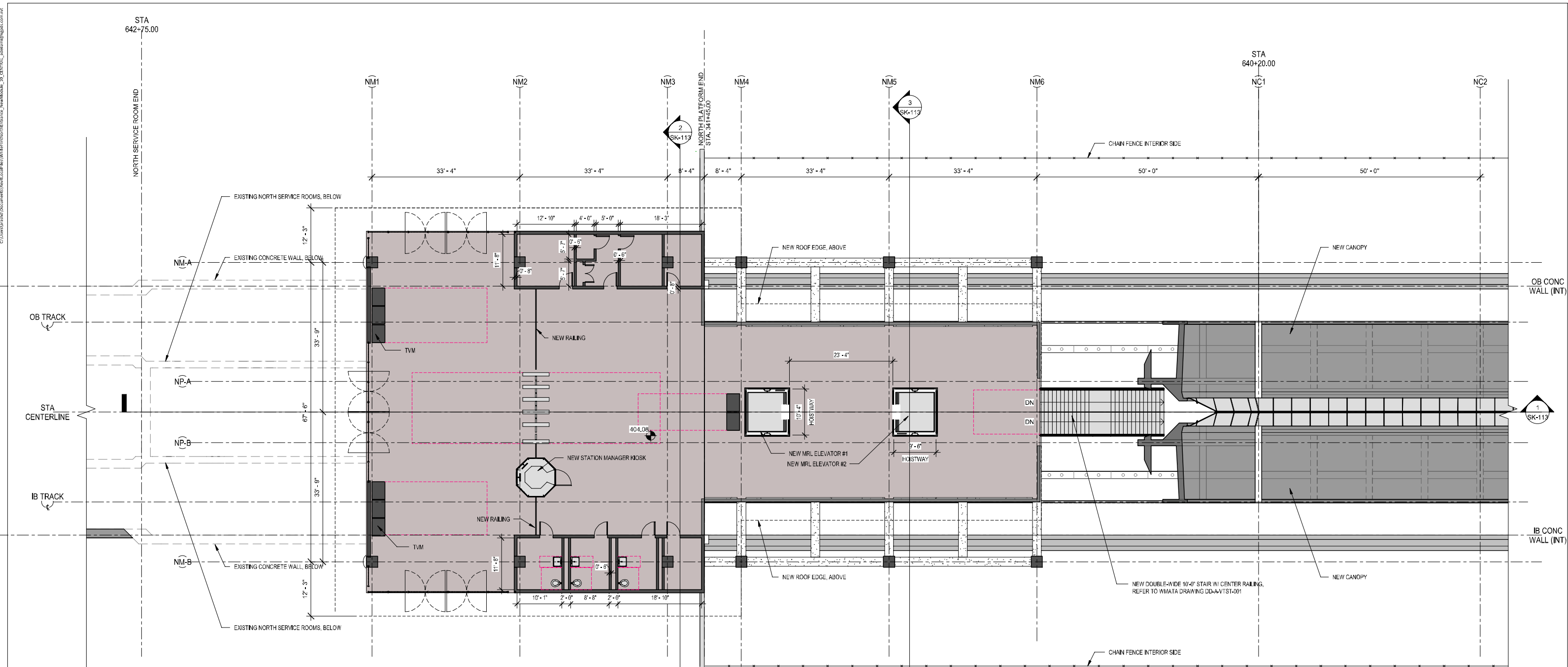


1
SK-107
NEW NORTH ENTRANCE - MEZZANINE LEVEL - STRUCT
ALT-1
SCALE: 3/32" = 1'-0"
0 5 10 20'

LEGEND:

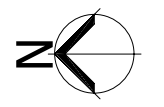
- EXISTING BUILDING
- NEW WALL
- NM# NEW NORTH MEZZANINE GRID
- NP# NEW NORTH PLATFORM GRID
- NC# NEW NORTH CANOPY GRID
- SC# SOUTH EXISTING CANOPY GRID



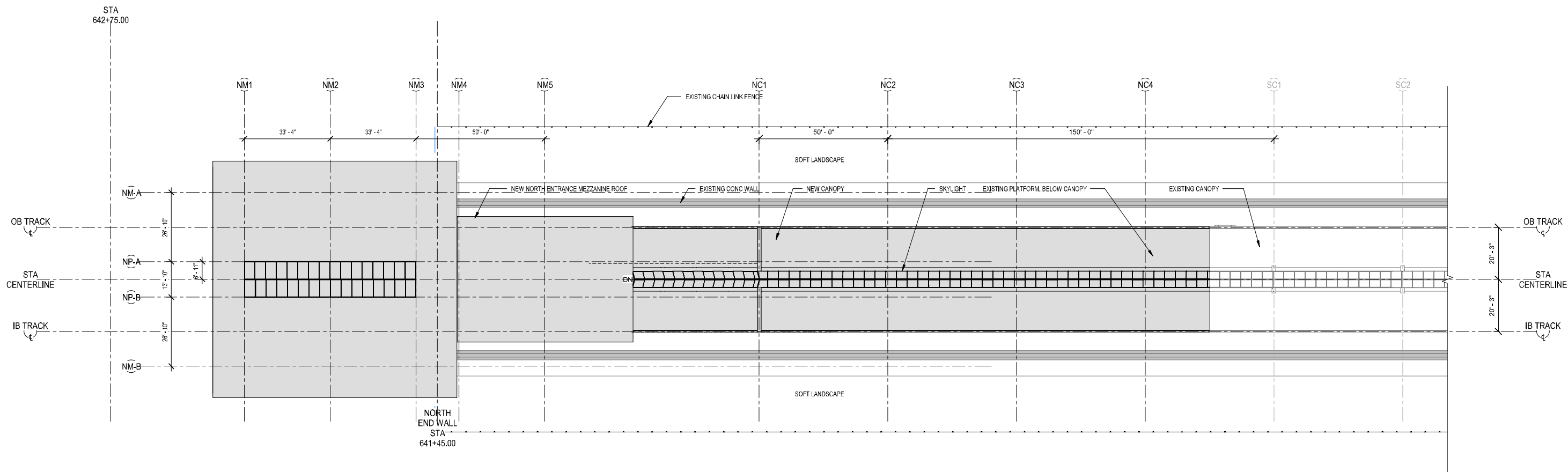


1 NEW NORTH ENTRANCE - MEZZANINE LEVEL - STRUCT ALT-2
 SK-108 SCALE: 3/32" = 1'-0"
 0 5 10 20

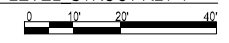
- LEGEND:**
- EXISTING BUILDING
 - NEW CONSTRUCTION
 - NM# NEW NORTH MEZZANINE GRID
 - NP# NEW NORTH PLATFORM GRID
 - NC# NEW NORTH CANOPY GRID
 - SC# SOUTH EXISTING CANOPY GRID



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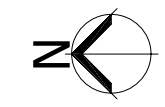


1
SK-109 NEW NORTH ENTRANCE - ROOF LEVEL STRUCT ALT-1
SCALE: 1"=20'-0"

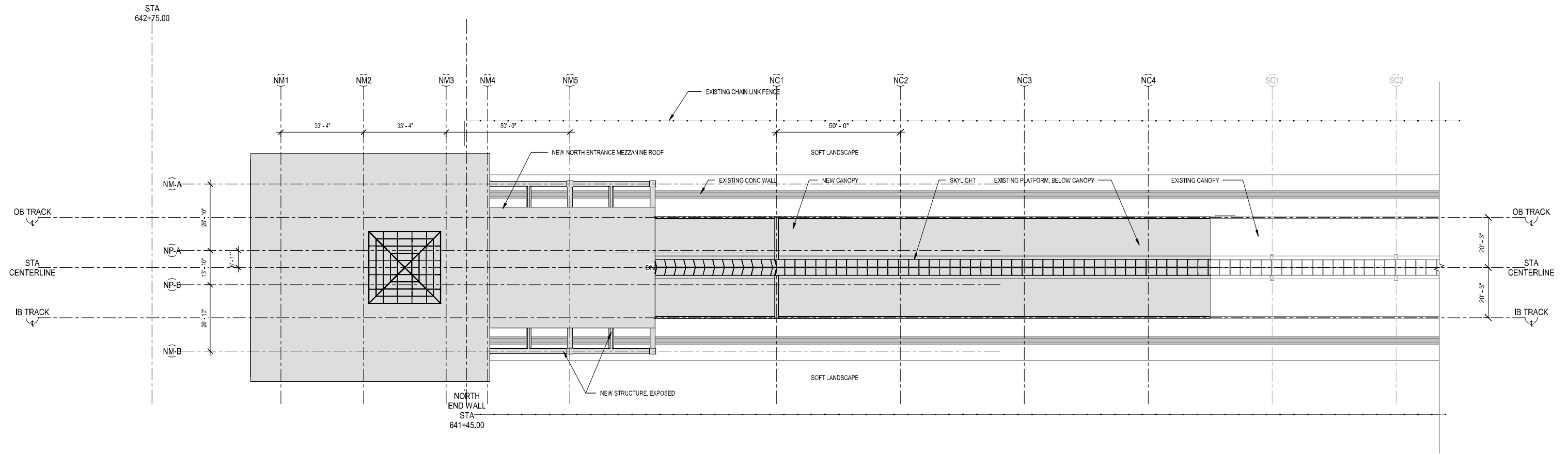


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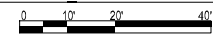
- EXISTING BUILDING
- NEW CONSTRUCTION
- NM# NEW NORTH MEZZANINE GRID
- NP# NEW NORTH PLATFORM GRID
- NC# NEW NORTH CANOPY GRID
- SC# SOUTH EXISTING CANOPY GRID









C:\Users\jacob\Documents\Projects\White Flint Station\White Flint Station - New North Entrance - New North Entrance - SK-110.dwg

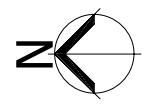


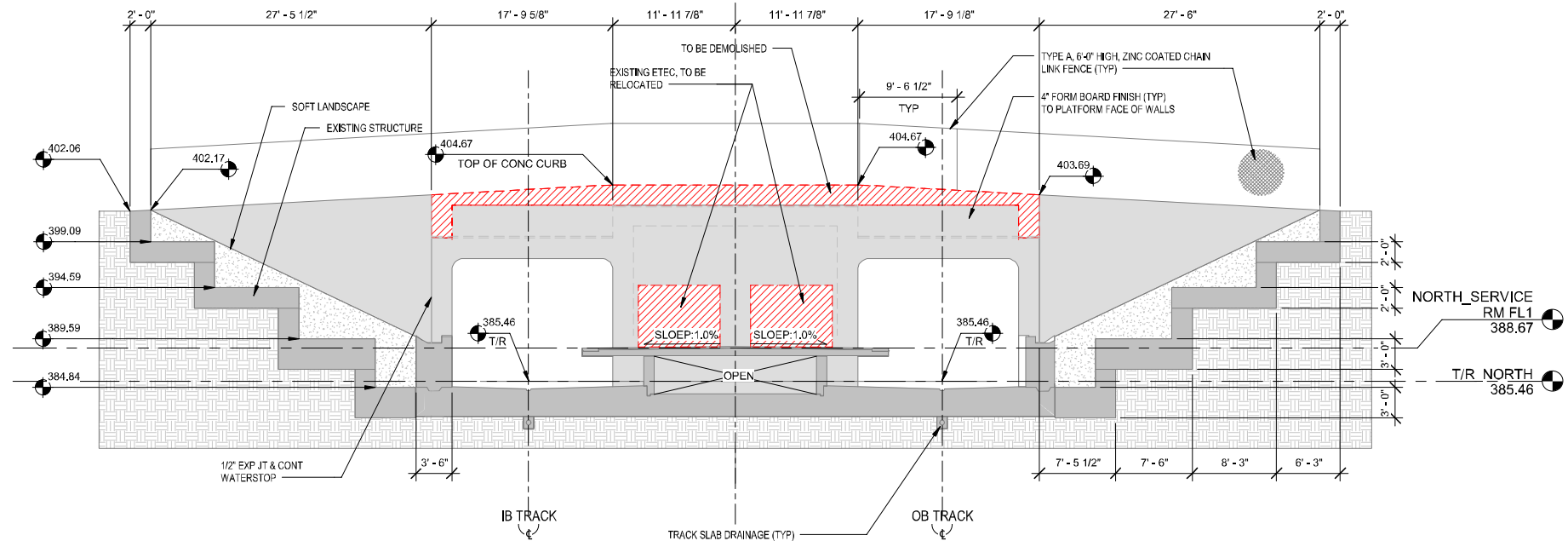
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SK-110 NEW NORTH ENTRANCE - ROOF LEVEL - STRUCT ALT-2
SCALE 1" = 20'-0"



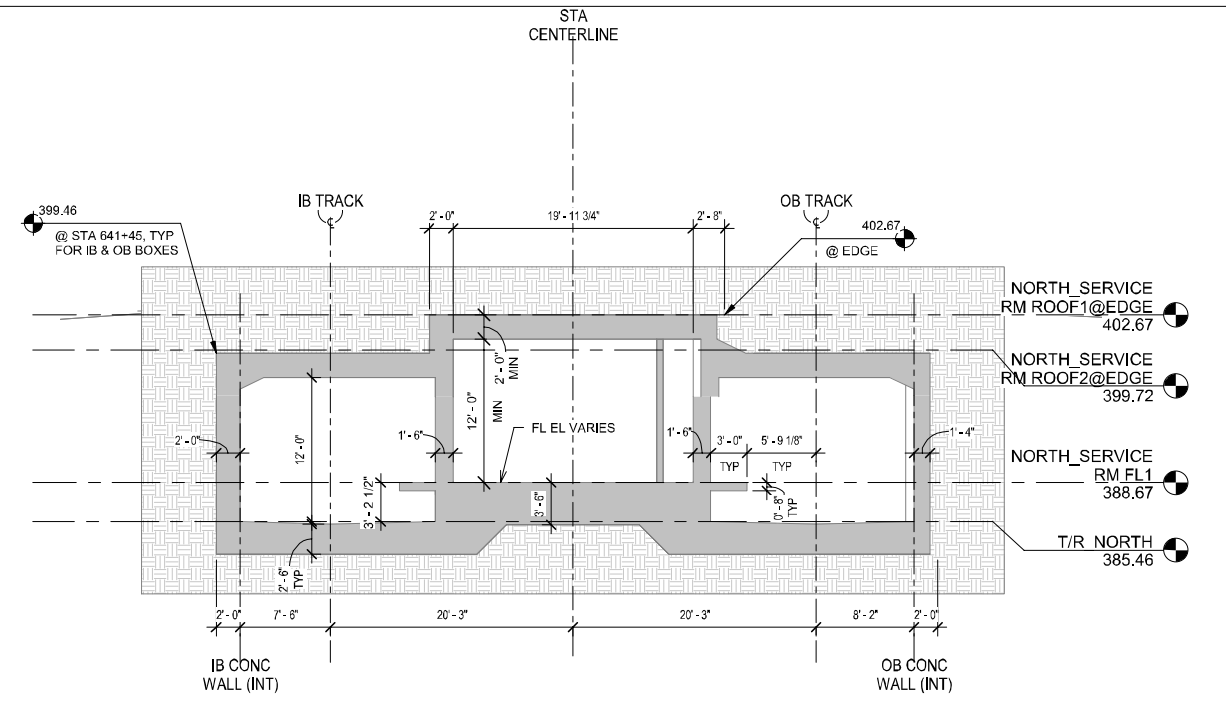
LEGEND:

-  EXISTING BUILDING
-  NEW CONSTRUCTION
-  NEW NORTH MEZZANINE GRID
-  NEW NORTH PLATFORM GRID
-  NEW NORTH CANOPY GRID
-  SOUTH EXISTING CANOPY GRID

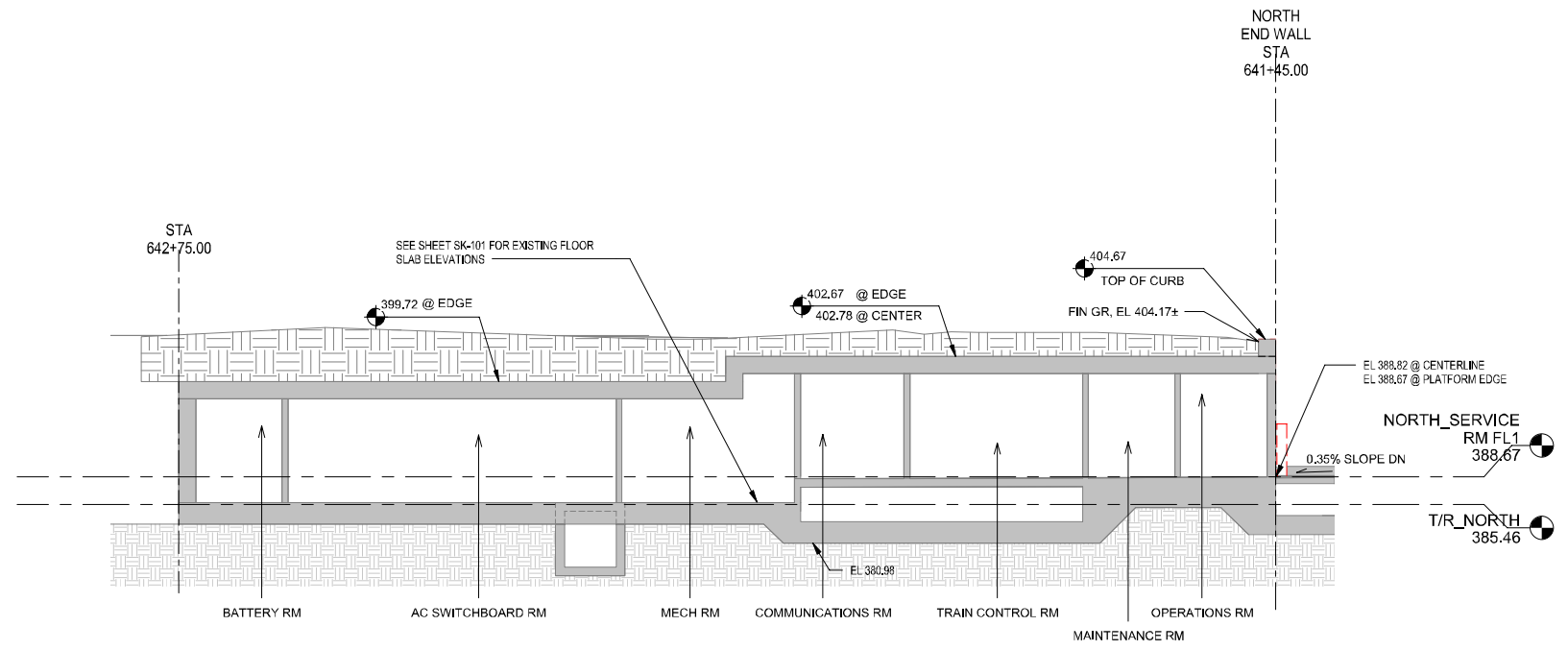




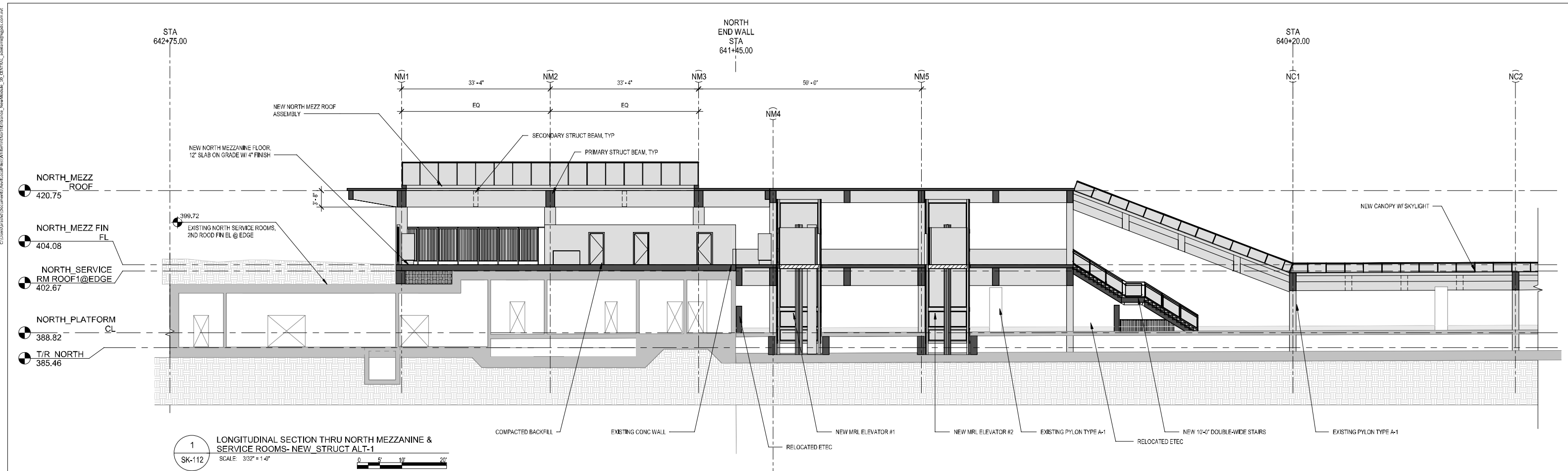
1 CROSS SECTION @ PLATFORM NORTH END WALL - EXISTING
 SK-111 SCALE: 1/8" = 1'-0"
 0 4 8 16



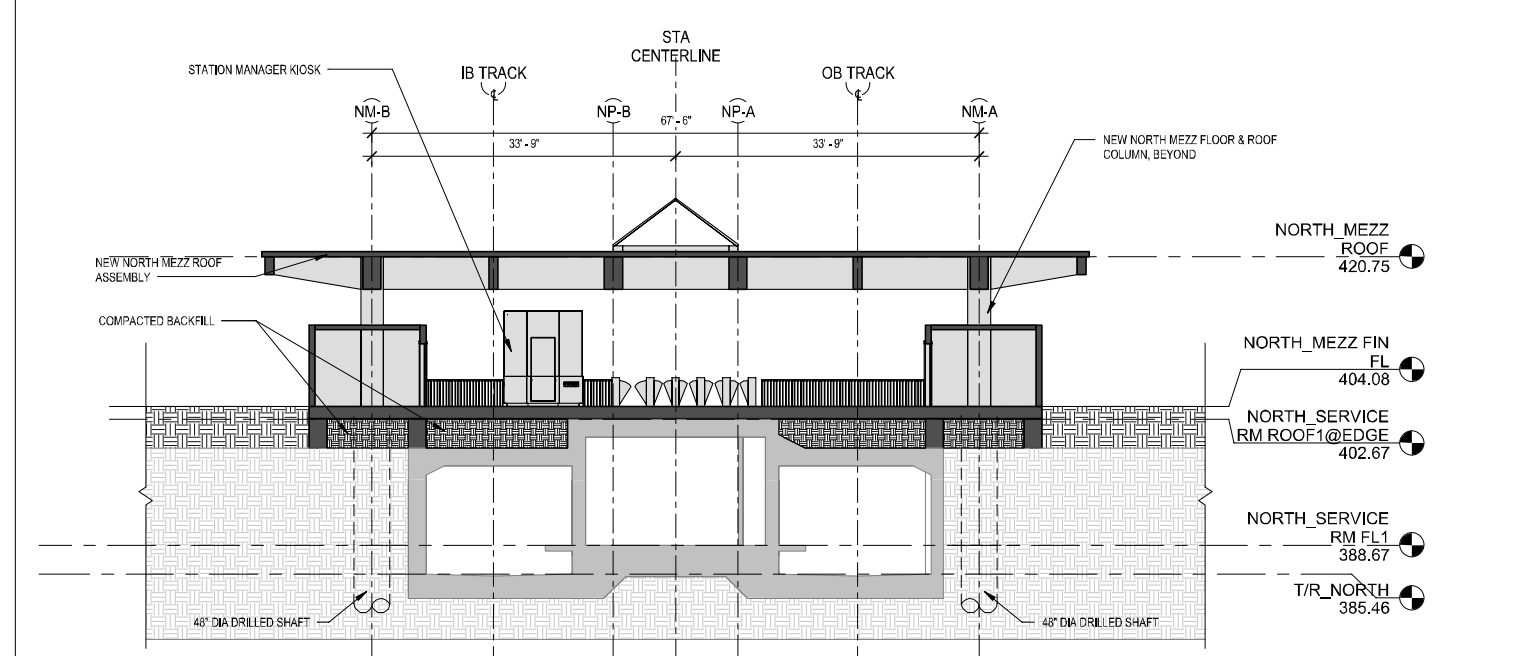
2 CROSS SECTION THRU NORTH OPERATIONS RM - EXISTING
 SK-111 SCALE: 1/8" = 1'-0"
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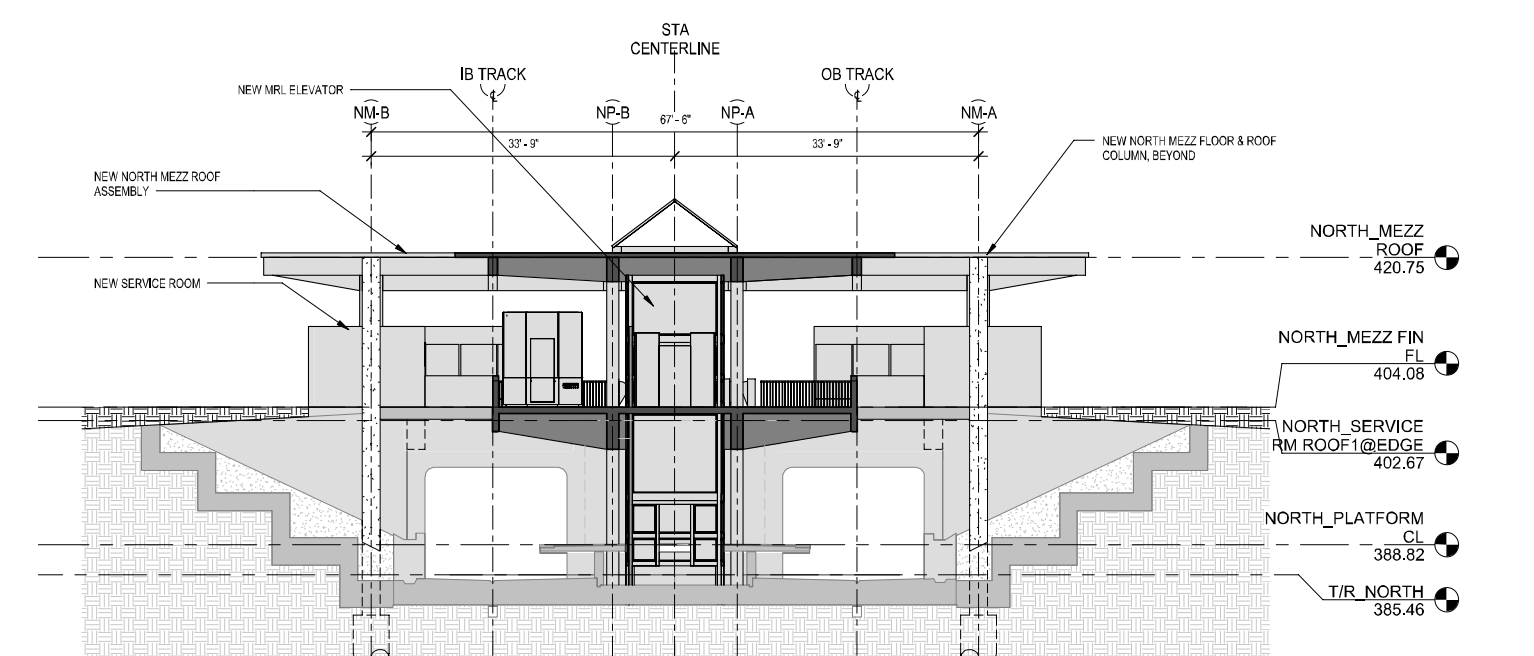
3 LONGITUDINAL SECTION THRU NORTH SERVICE ROOMS - EXISTING
 SK-111 SCALE: 3/32" = 1'-0"
 0 5 10 20



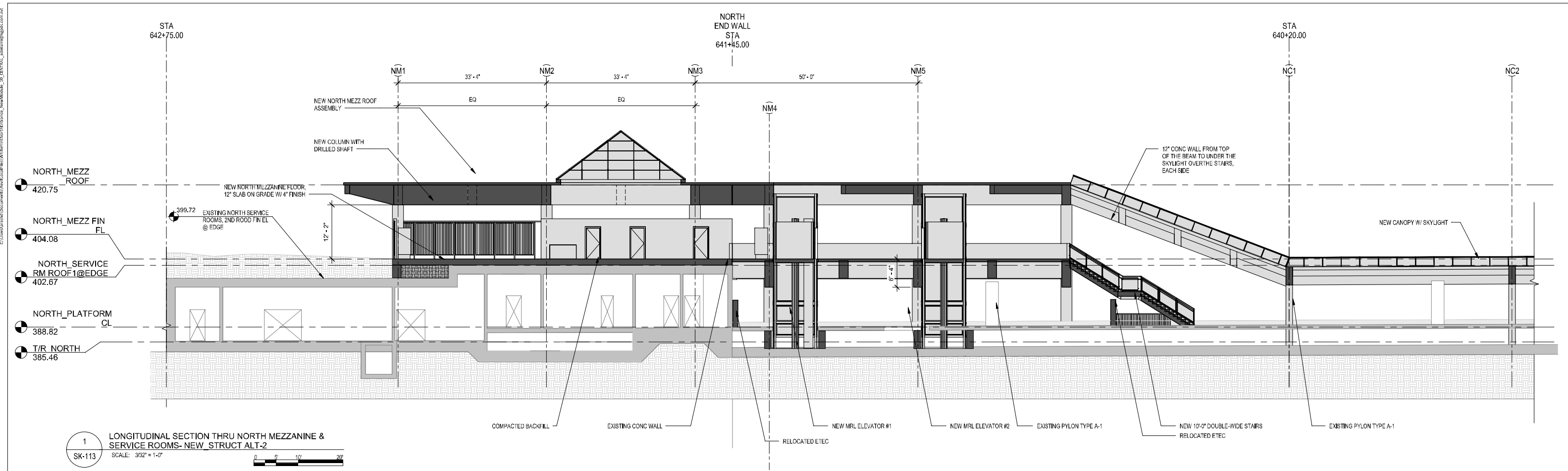
1 LONGITUDINAL SECTION THRU NORTH MEZZANINE & SERVICE ROOMS- NEW_STRUCT ALT-1
 SCALE: 3/32" = 1'-0"
 0 5' 10' 20'



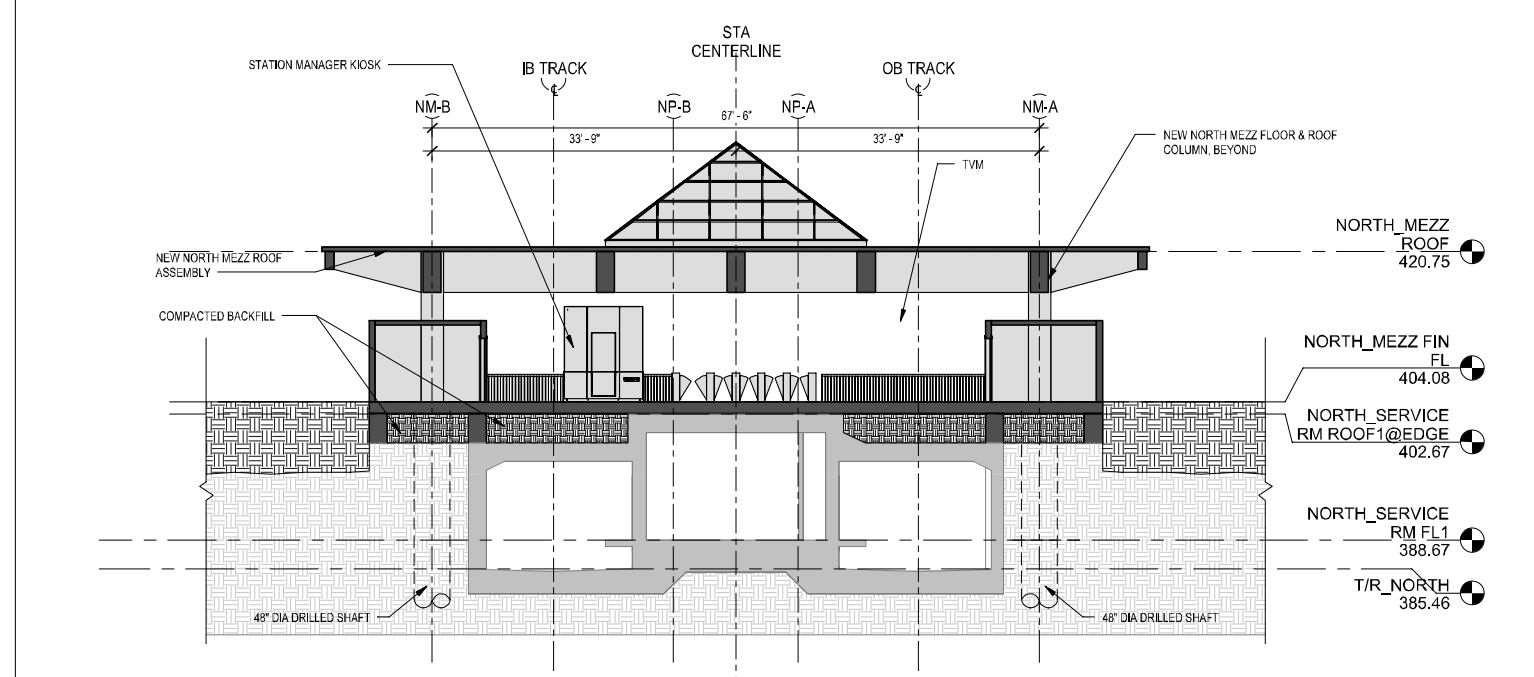
2 CROSS SECTION THRU NORTH MEZZANINE & SERVICE ROOMS - NEW_STRUCT ALT-1
 SCALE: 3/32" = 1'-0"
 0 5' 10' 20'



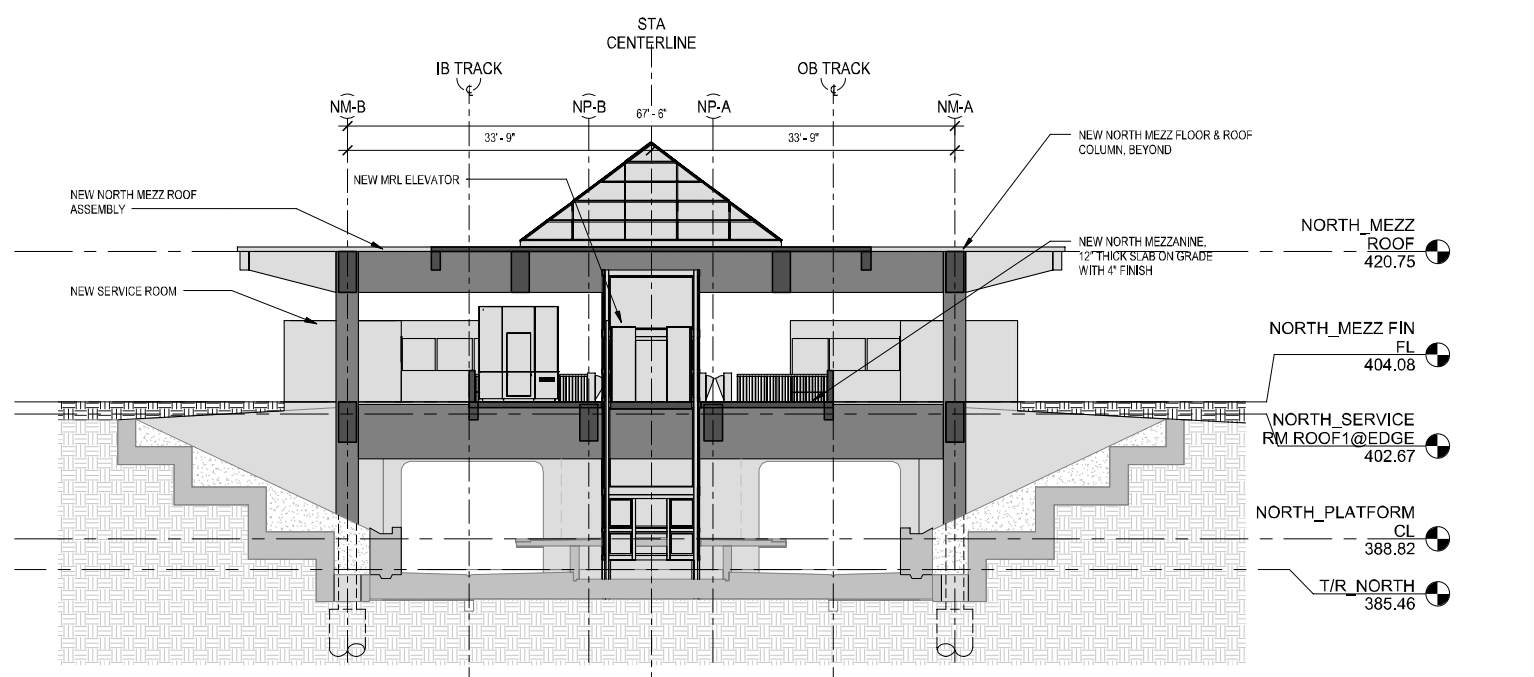
3 CROSS SECTION THRU NORTH PLATFORM & MEZZANINE LEVEL- NEW_STRUCT ALT-1
 SCALE: 3/32" = 1'-0"
 0 5' 10' 20'



1 LONGITUDINAL SECTION THRU NORTH MEZZANINE & SERVICE ROOMS-NEW_STRUCT ALT-2
 SCALE: 3/32" = 1'-0"
 SK-113

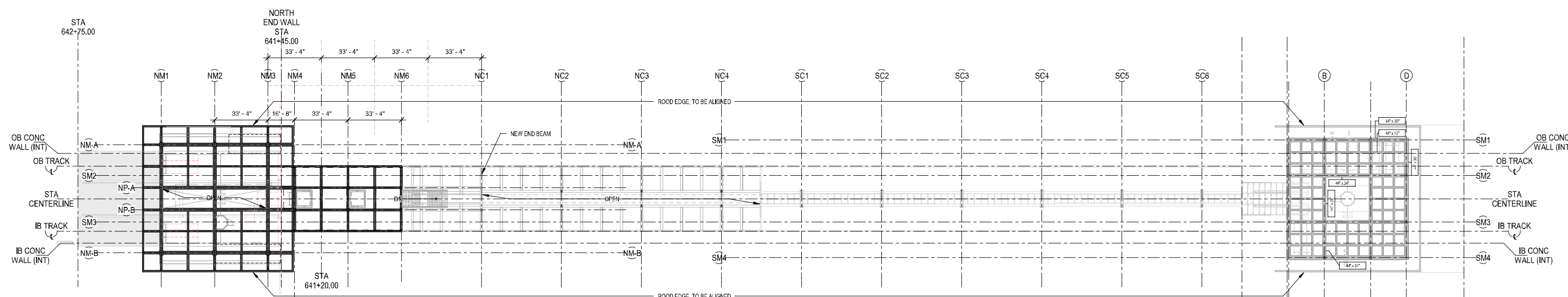


2 CROSS SECTION THRU NORTH MEZZANINE & SERVICE ROOMS - NEW_STRUCT ALT-2
 SCALE: 3/32" = 1'-0"
 SK-113



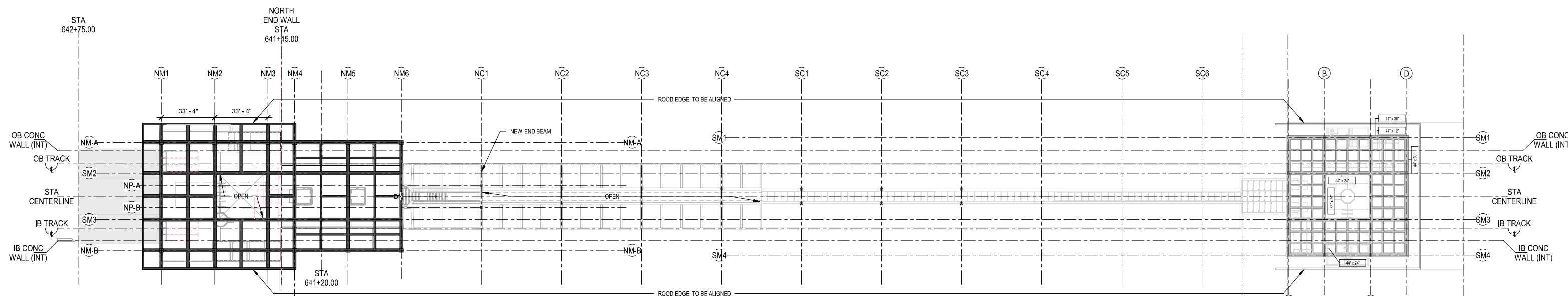
3 CROSS SECTION THRU NORTH PLATFORM & MEZZANINE LEVEL- NEW_STRUCT ALT-2
 SCALE: 3/32" = 1'-0"
 SK-113

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1 NORTH MEZZ ROOF - ALTERNATIVE 1
SK-S01 SCALE: 1" = 30'-0"

SOUTH PLATFORM BEGIN STA 635+45.00
SOUTH MEZZANINE END STA 635+16.75
SOUTH SERVICE ROOM END STA 634+06.42

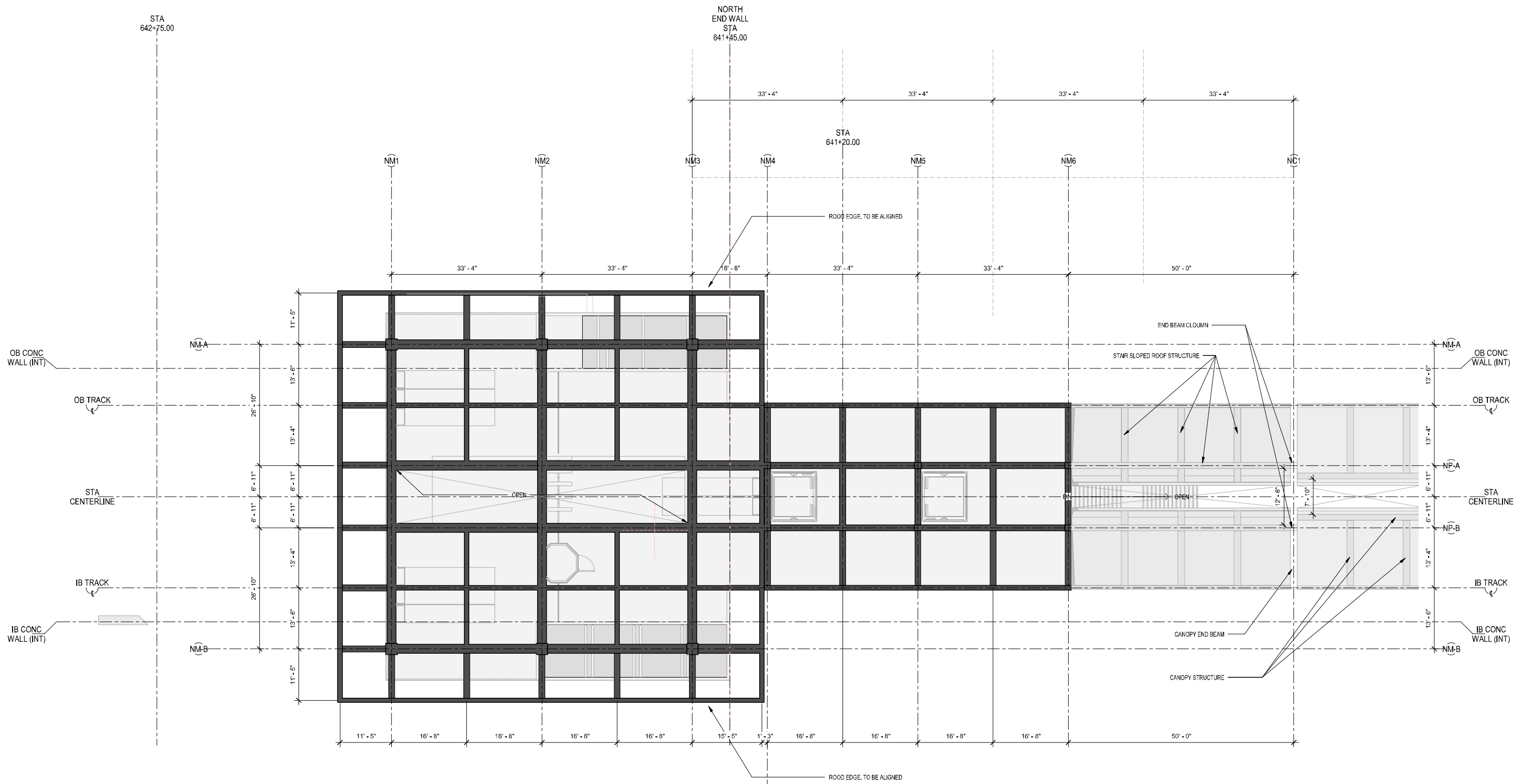


2a NORTH MEZZ ROOF - ALTERNATIVE 2
SK-S01 SCALE: 1" = 30'-0"

SOUTH PLATFORM BEGIN STA 635+45.00
SOUTH MEZZANINE END STA 635+16.75
SOUTH SERVICE ROOM END STA 634+06.42

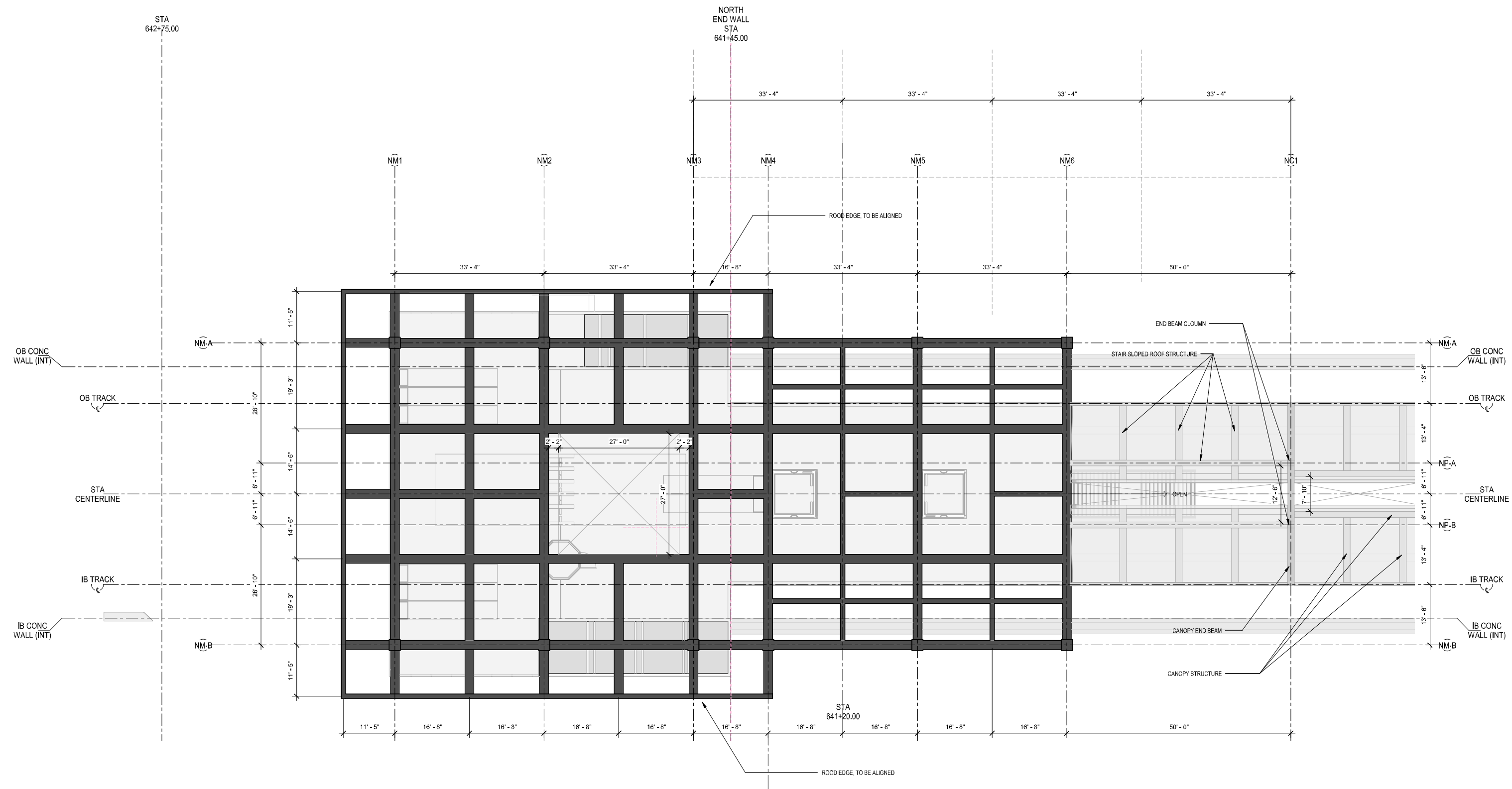


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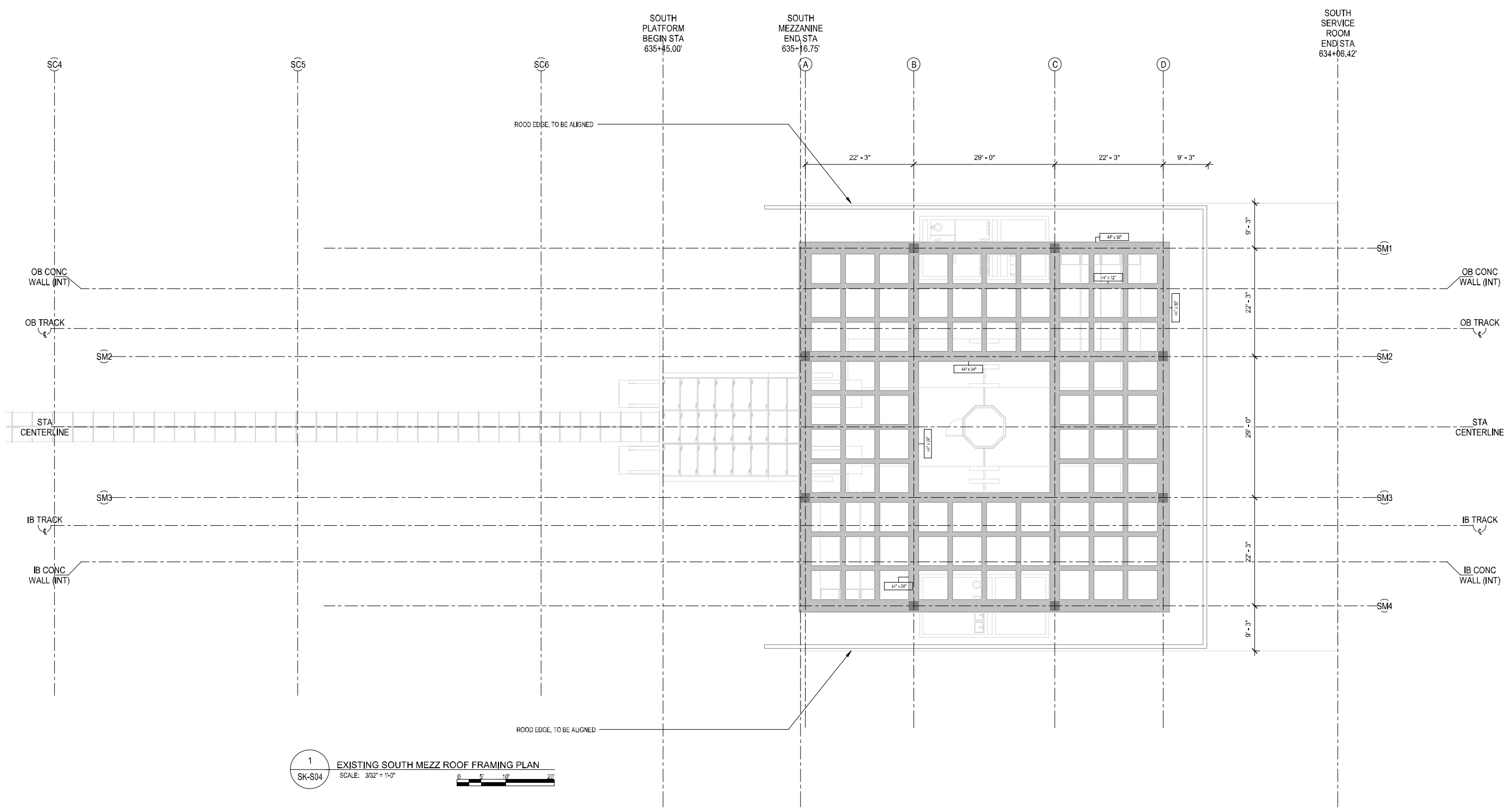
1 NORTH MEZZ ROOF FRAMING PLAN - ALT 1
 SK-S02 SCALE: 3/32" = 1'-0"

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1
SK-S03 NORTH MEZZ ROOF FRAMING PLAN - ALT 2
SCALE: 3/32" = 1'-0"

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1
 SK-S04 EXISTING SOUTH MEZZ ROOF FRAMING PLAN
 SCALE: 3/32" = 1'-0"
 0 5 10 20

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY



A/E PLANNING SERVICES FOR WHITE FLINT NORTH ENTRANCE FEASIBILITY STUDY

04/29/2019

KGP design studio

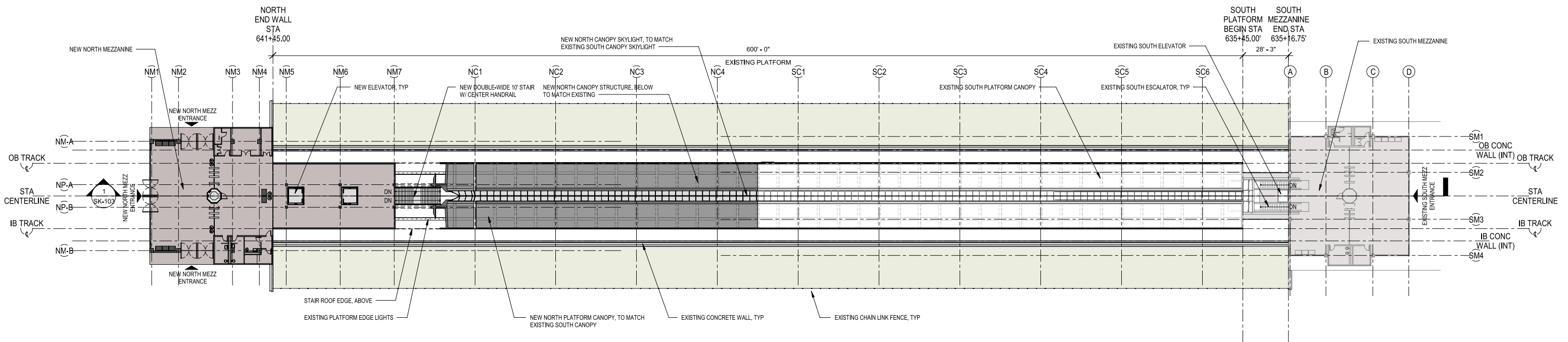
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SHEET INDEX		
SHEET NUMBER	SHEET NAME	SHEET ISSUE DATE
SK-000	COVER SHEET	04/29/19
SK-001	SHEET INDEX	04/29/19
SK-101	OVERALL MEZZANINE PLAN	04/29/19
SK-102	OVERALL ROOF PLAN	04/29/19
SK-103	OVERALL LONGITUDINAL SECTIONS	04/29/19
SK-104	EXISTING NORTH SERVICE ROOMS - PLATFORM LEVEL	04/29/19
SK-105	NEW NORTH ENTRANCE - PLATFORM LEVEL - OPTION- 3	04/29/19
SK-107	NEW NORTH ENTRANCE - MEZZANINE LEVEL - OPTION- 3	04/29/19
SK-109	NEW NORTH ENTRANCE - ROOF LEVEL - OPTION- 3	04/29/19
SK-111	SECTIONS - EXISTING CONDITION	04/29/19
SK-112	SECTIONS- NEW DESIGN - OPTION- 3	04/29/19
SK-S01	OVERALL MEZZANINES ROOF FRAMING PLAN	04/29/19
SK-S02	NORTH MEZZANINE ROOF FRAMING PLAN	04/29/19










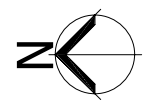
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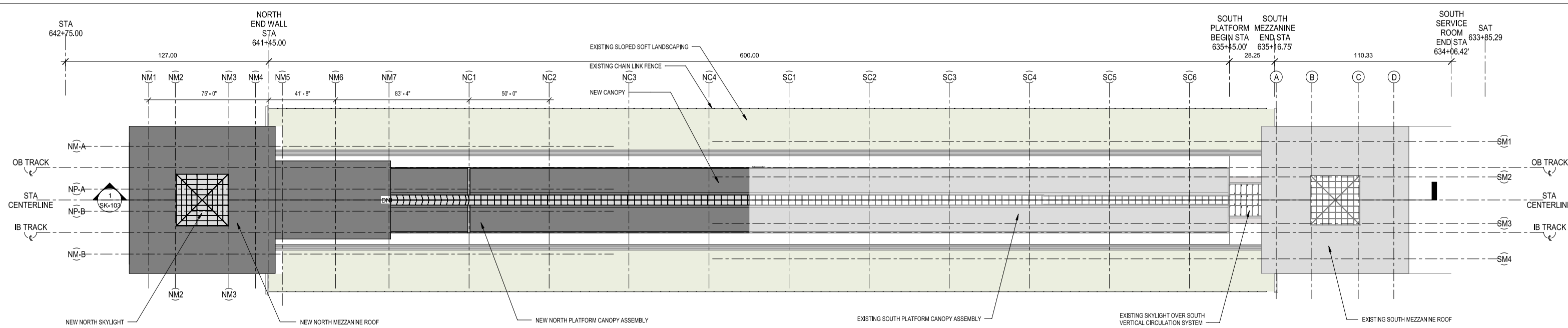
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SK-101 OVERALL MEZZANINE PLAN STRUCT ALT-1
SCALE: 1" = 30'-0"

LEGEND:

- | | | | |
|---|------------------------|---|----------------------------|
|  | EXISTING BUILDING |  | NEW NORTH MEZZANINE GRID |
|  | NEW CONSTRUCTION |  | NEW NORTH PLATFORM GRID |
|  | EXISTING SOFTLANDSCAPE |  | NEW NORTH CANOPY GRID |
| | |  | SOUTH EXISTING CANOPY GRID |










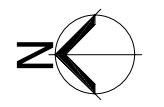
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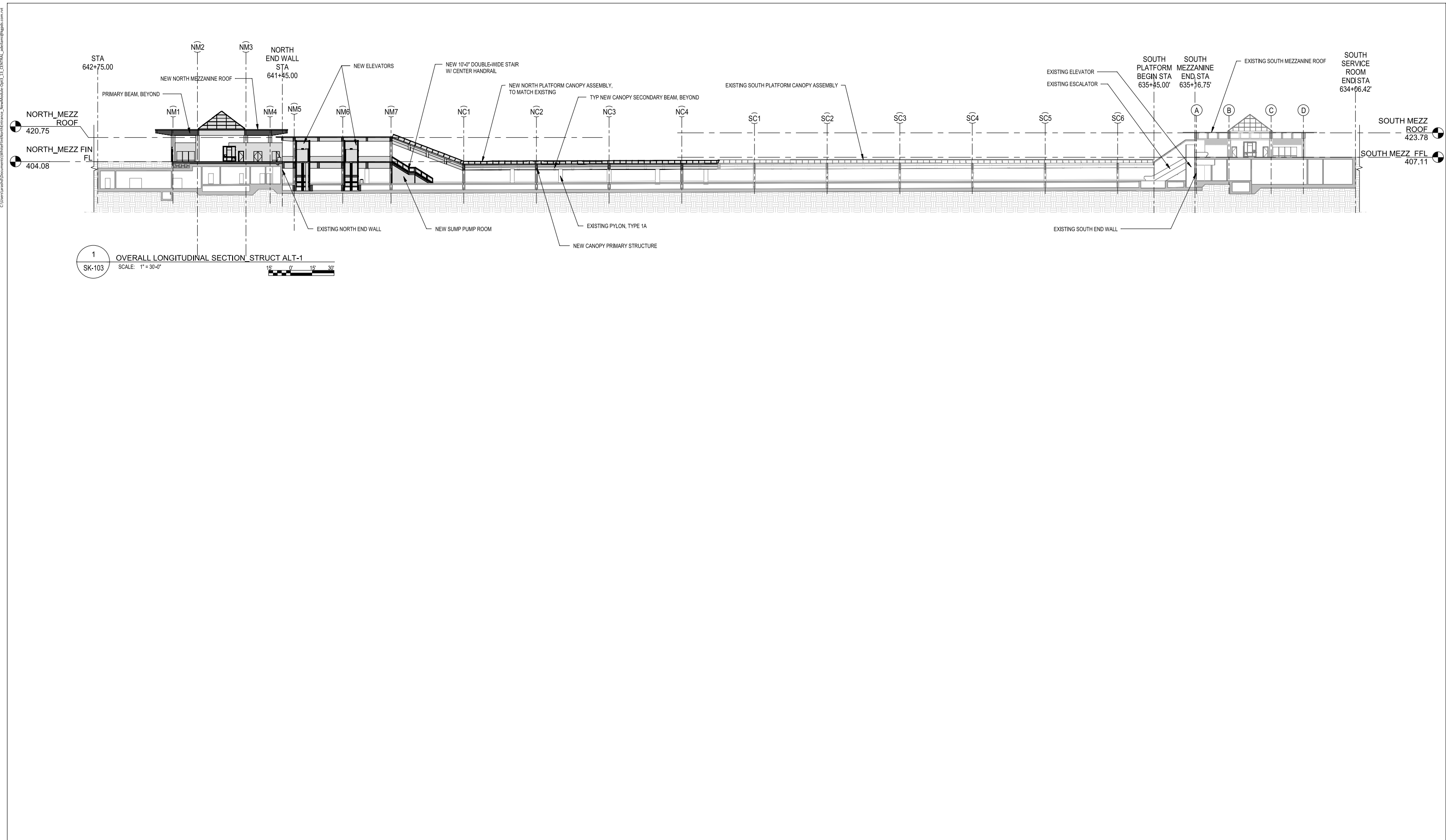
1 OVERALL ROOF PLAN, STRUCT ALT-1
 SK-102 SCALE: 1" = 30'-0"
 15' 0" 15' 0" 30'

LEGEND:

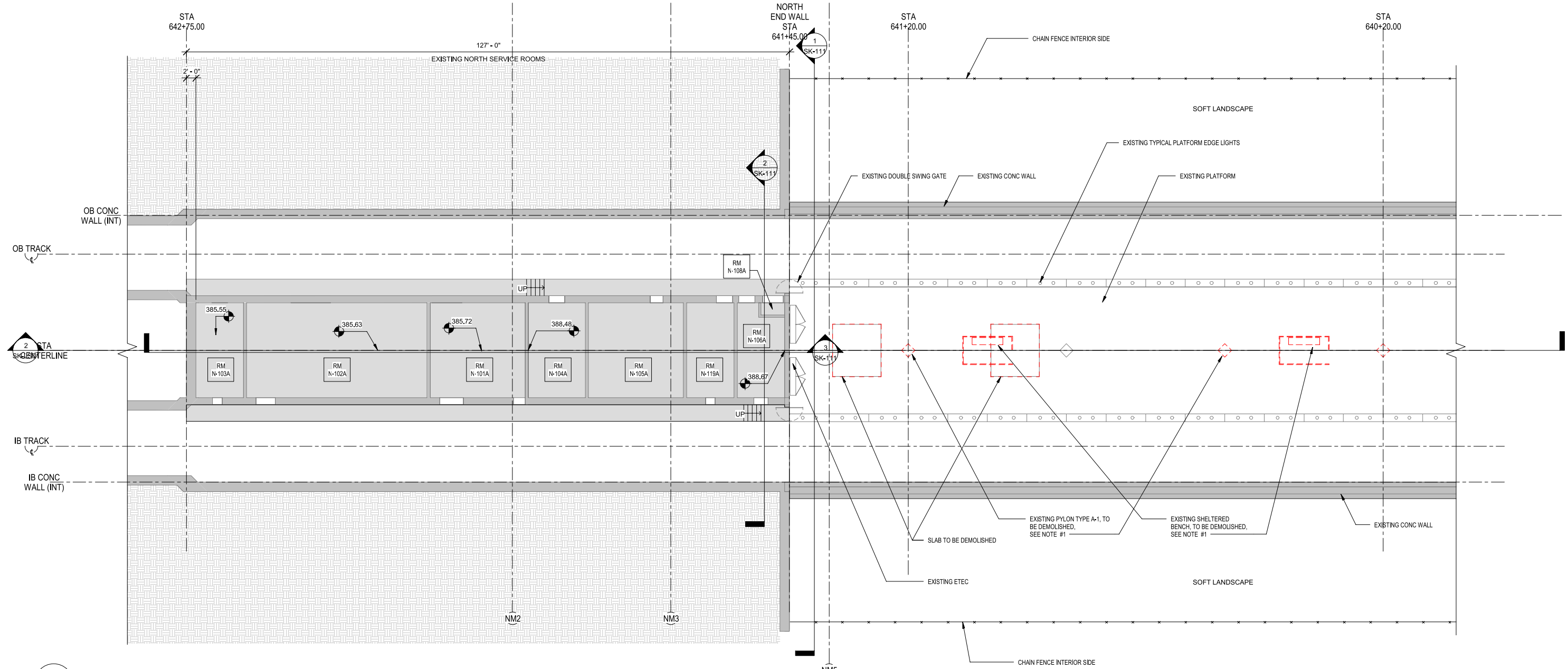
- | | | | |
|---|------------------------|---|----------------------------|
|  | EXISTING BUILDING |  | NEW NORTH MEZZANINE GRID |
|  | NEW CONSTRUCTION |  | NEW NORTH PLATFORM GRID |
|  | EXISTING SOFTLANDSCAPE |  | NEW NORTH CANOPY GRID |
| | |  | SOUTH EXISTING CANOPY GRID |



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



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1 EXISTING NORTH SERVICE ROOMS - PLATFORM LEVEL
 SK-104 SCALE: 3/32" = 1'-0"
 0 5 10 20'

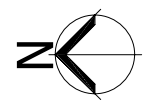
EXISTING ROOM SCHEDULE- NORTH	
ROOM NUMBER	ROOM NAME
N-101A	EXISTING MECHANICAL ROOM
N-102A	EXISTING NORTH AC SWITCHBOARD ROOM
N-103A	EXISTING NORTH BATTERY ROOM
N-104A	EXISTING NORTH COMMUNICATIONS ROOM
N-105A	EXISTING TRAIN CONTROL ROOM
N-106A	EXISTING NORTH OPERATIONS ROOM
N-108A	EXISTING NORTH FEC
N-119A	EXISTING NORTH MAINTENANCE ROOM

LEGEND:

-  EXISTING BUILDING
-  NEW CONSTRUCTION
-  NEW NORTH MEZZANINE GRID
-  NEW NORTH PLATFORM GRID
-  NEW NORTH CANOPY GRID
-  SOUTH EXISTING CANOPY GRID
-  EXISTING TO BE DEMOLISHED
-  EXISTING TO BE DEMOLISHED OR RELOCATED

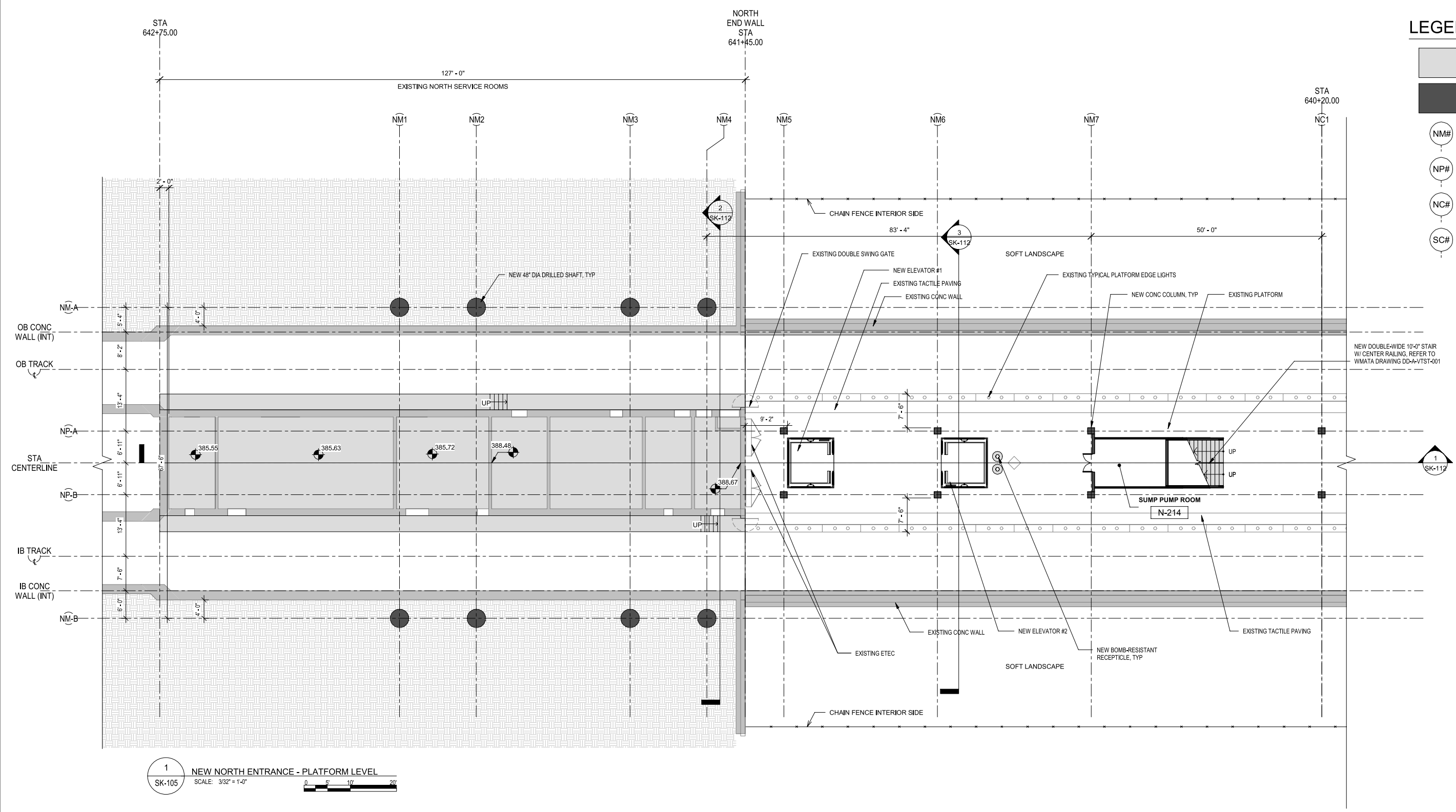
SHEET NOTES:

1. LOCATION OF PLATFORM FURNITURE AND EQUIPMENT TO BE VERIFIED IN FIELD.
2. SEE SHEET A14-S-21 & S-23 FROM WMATA AS-BUILT DRAWINGS FOR MORE INFORMATION.

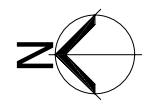


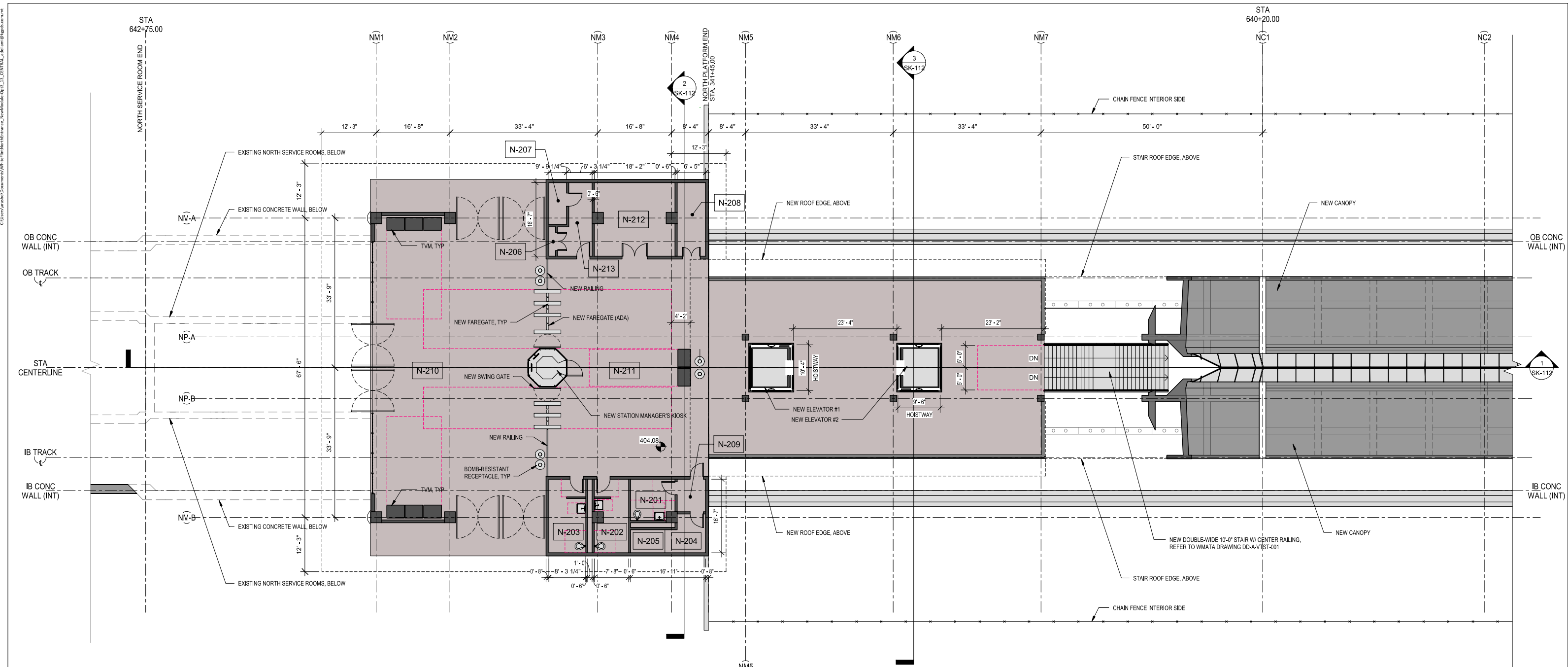
LEGEND:

- EXISTING BUILDING
- NEW CONSTRUCTION
- NM# NEW NORTH MEZZANINE GRID
- NP# NEW NORTH PLATFORM GRID
- NC# NEW NORTH CANOPY GRID
- SC# SOUTH EXISTING CANOPY GRID



1
 SK-105
 NEW NORTH ENTRANCE - PLATFORM LEVEL
 SCALE: 3/32" = 1'-0"





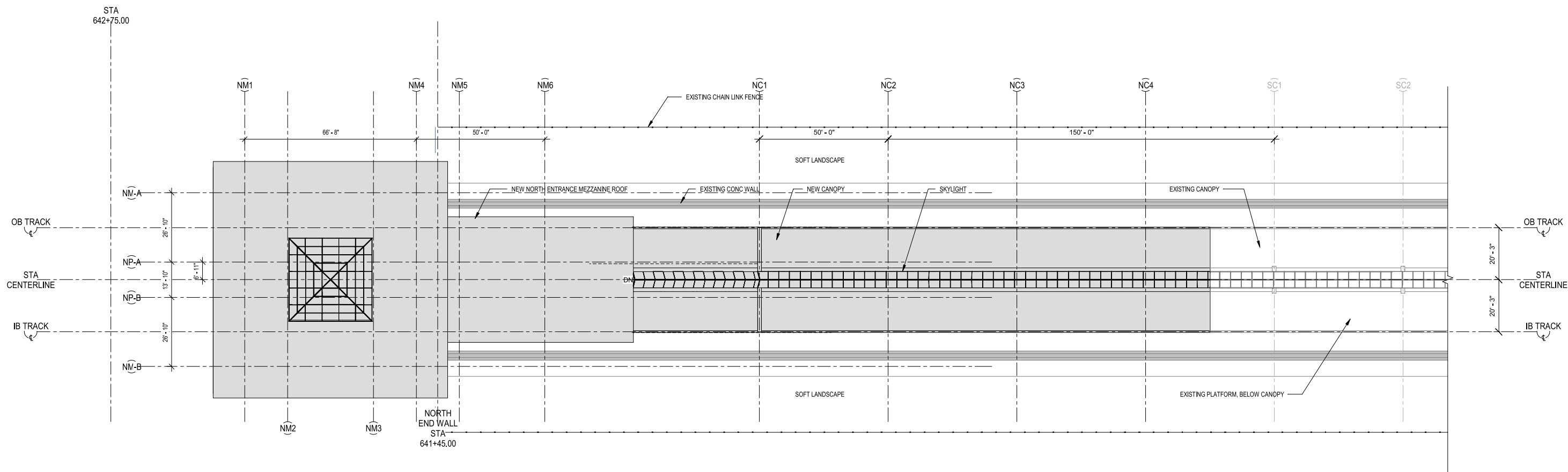
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SK-107
NEW NORTH ENTRANCE - MEZZANINE LEVEL - STRUCT
ALT-1
SCALE: 3/32" = 1'-0"
0 5 10 20'

NEW Room Schedule- NORTH		
ROOM NUMBER	ROOM NAME	Area
N-201	UNISEX STAFF RESTROOM	89 SF
N-202	PUBLIC RESTROOM (M)	121 SF
N-203	PUBLIC RESTROOM (W)	136 SF
N-204	CLEANER'S ROOM	71 SF
N-205	WATER SERVICE ROOM	41 SF
N-206	FEC	10 SF
N-207	BELL SYS ROOM	38 SF
N-208	ELECTRICAL CABINET ROOM	106 SF
N-209	CORRIDOR	47 SF
N-210	NORTH MEZZANINE (UNPAID SIDE)	2659 SF
N-211	NORTH MEZZANINE (PAID SIDE)	Not Enclosed
N-212	ELEVATOR CONTROL ROOM	291 SF
N-213	CORRIDOR	104 SF

LEGEND:

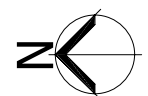
- EXISTING BUILDING
- NEW CONSTRUCTION
- NEW NORTH MEZZANINE GRID
- NEW NORTH PLAFORM GRID
- NEW NORTH CANOPY GRID
- SOUTH EXISTING CANOPY GRID

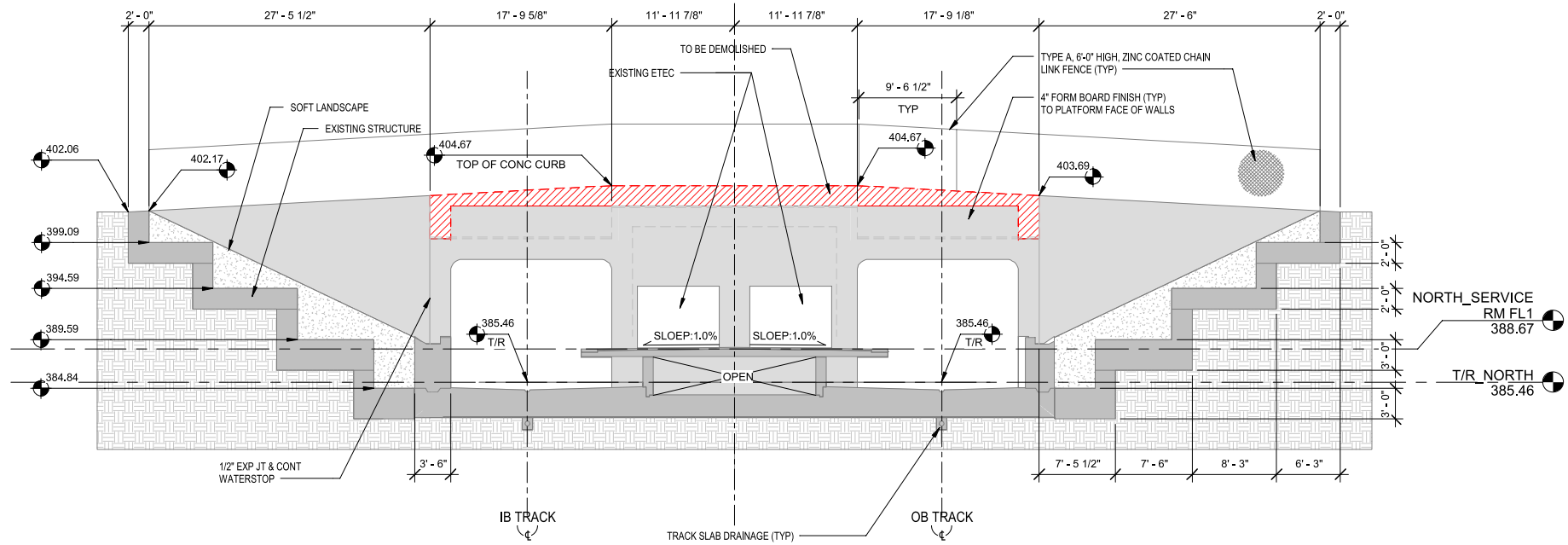
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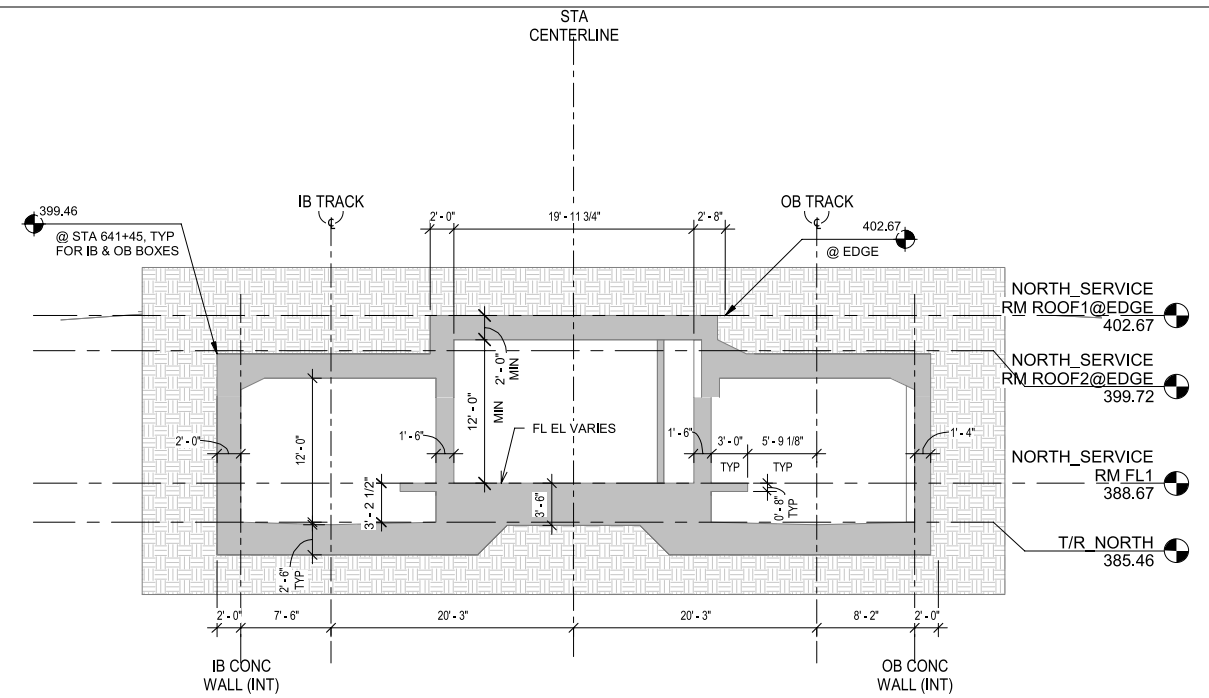
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SK-109 NEW NORTH ENTRANCE - ROOF LEVEL_STRUCT ALT-1
SCALE: 1" = 20'-0"
0 10' 20' 40'

- LEGEND:**
- EXISTING BUILDING
 - NEW CONSTRUCTION
 - NM# NEW NORTH MEZZANINE GRID
 - NP# NEW NORTH PLATFORM GRID
 - NC# NEW NORTH CANOPY GRID
 - SC# SOUTH EXISTING CANOPY GRID

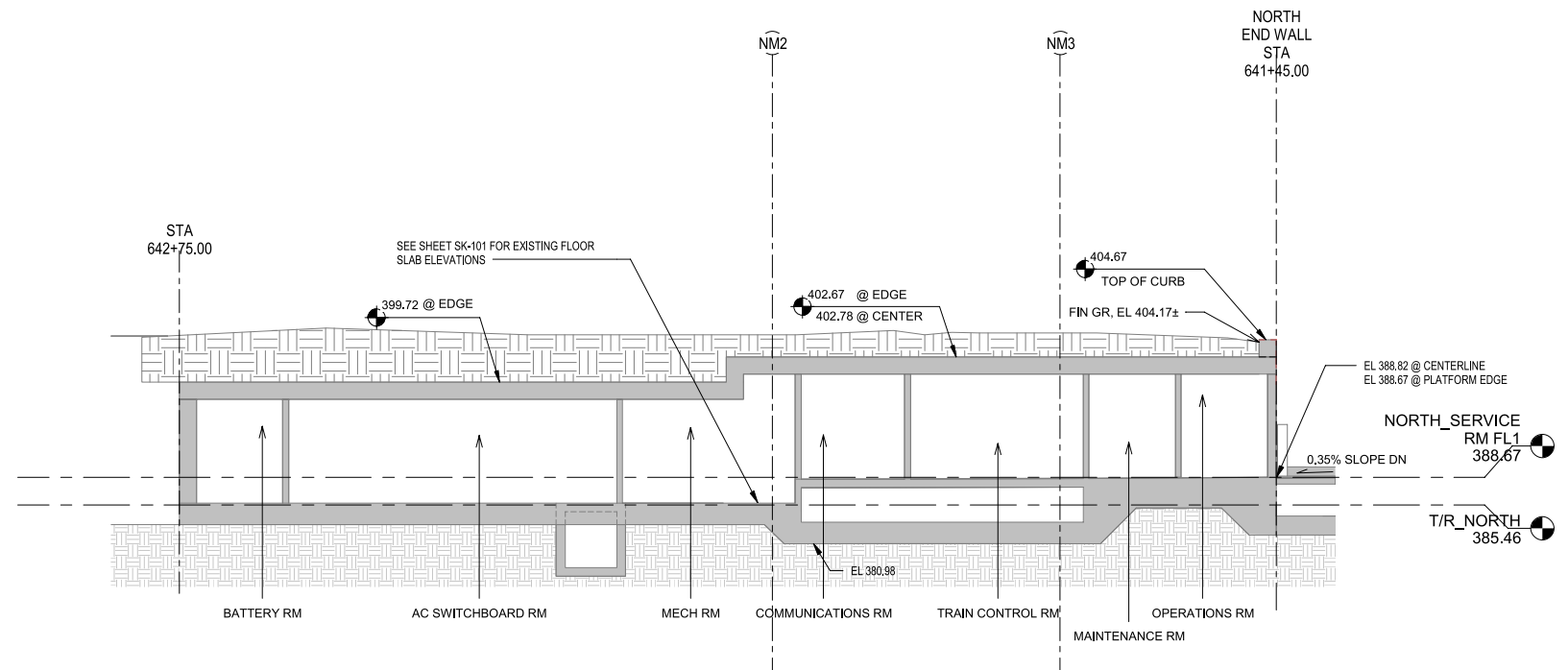




1 CROSS SECTION @ PLATFORM NORTH END WALL - EXISTING
 SK-111 SCALE: 1/8" = 1'-0"
 0 4 8 16



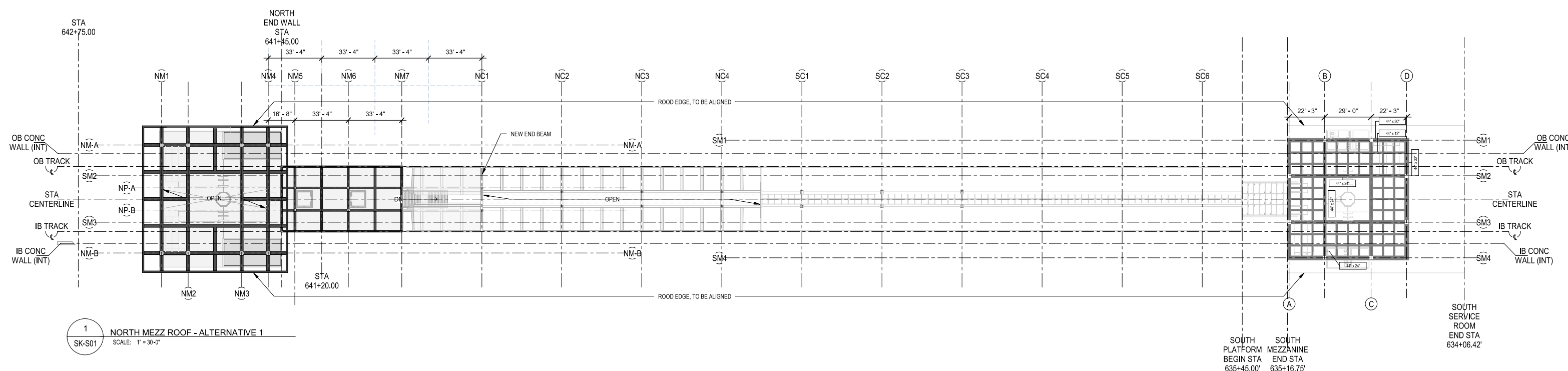
2 CROSS SECTION THRU NORTH OPERATIONS RM - EXISTING
 SK-111 SCALE: 1/8" = 1'-0"
 0 4 8 16



3 LONGITUDINAL SECTION THRU NORTH SERVICE ROOMS - EXISTING
 SK-111 SCALE: 3/32" = 1'-0"
 0 5 10 20



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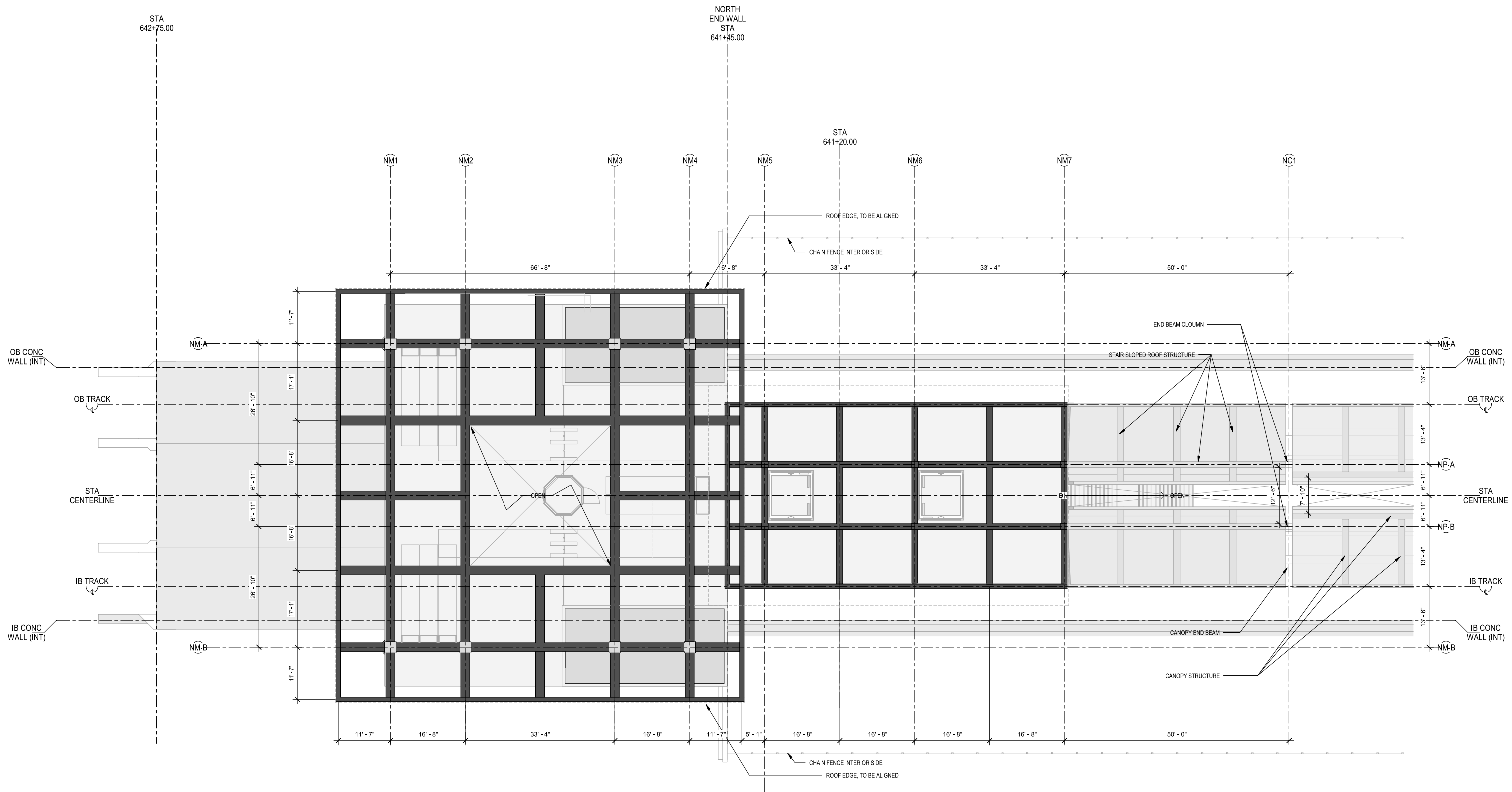
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SK-S01 NORTH MEZZ ROOF - ALTERNATIVE 1
SCALE: 1" = 30'-0"

SOUTH PLATFORM MEZZANINE
BEGIN STA 635+45.00
END STA 635+16.75

SOUTH SERVICE ROOM
END STA 634+06.42



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1 NORTH MEZZ ROOF FRAMING PLAN - ALT 1
 SK-S02 SCALE: 3/32" = 1'-0"
 0 5' 10' 20'

